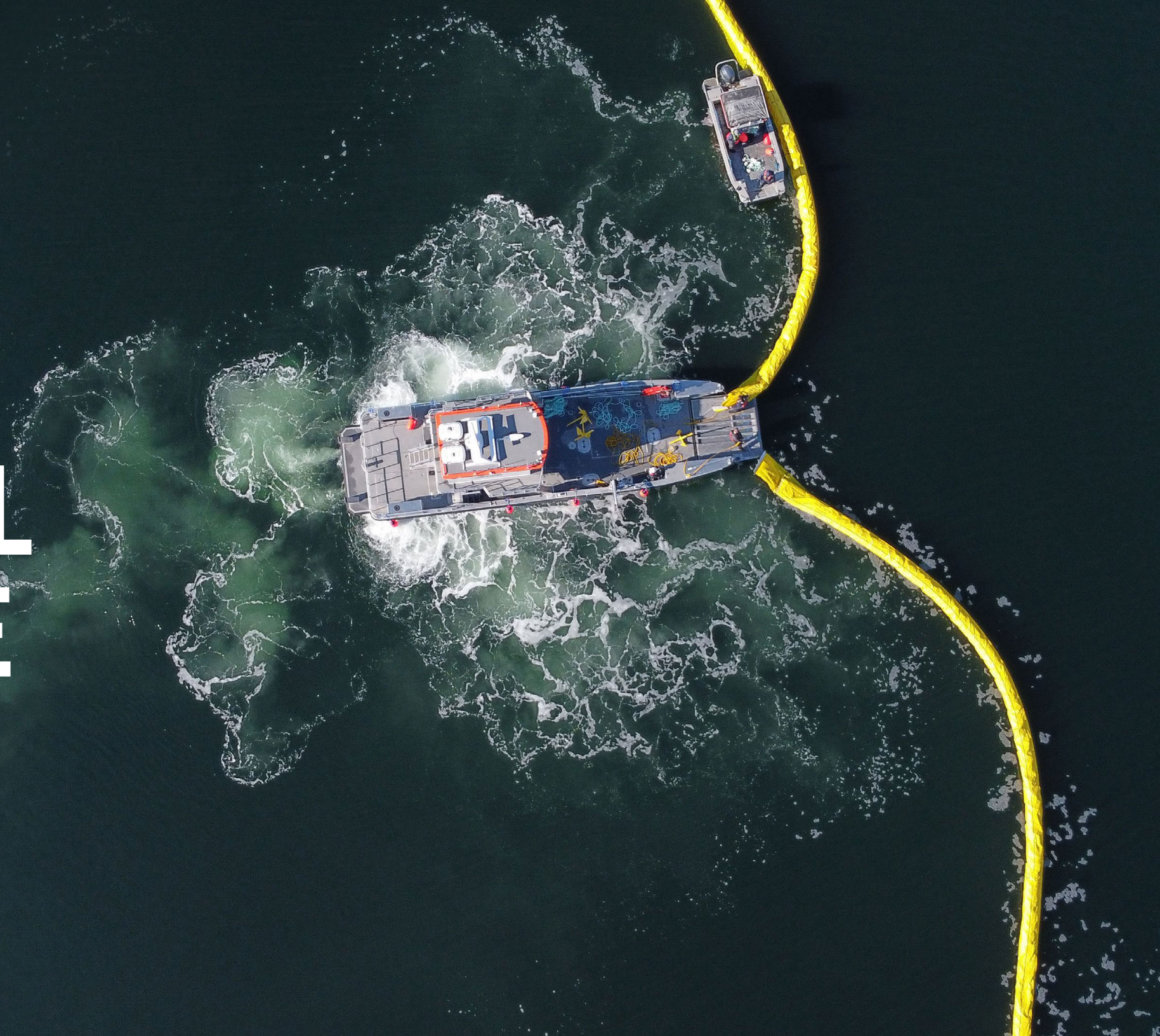


WESTERN CANADA  
MARINE RESPONSE

# 2022 ANNUAL UPDATE







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## MISSION —

Western Canada Marine Response delivers safe and effective oil spill response services within the province of British Columbia.

## VISION —

To be regarded by communities and industry as the leader in marine oil spill response.

## VALUES —

We believe that putting our values into practice creates long term benefits for our employees, shareholders, stakeholders, suppliers, and the communities we serve.

### We value:

- Open and honest communication that fosters a climate of trust
- Integrity and respect in all our practices
- Protecting the environment
- Success through competency, creativity and teamwork
- Celebrating individual and team successes





# PRESIDENT'S MESSAGE

For WCMRC, 2022 has been a year of milestones as we completed plans set in motion years ago. As the restrictions from COVID eased, we were able to enjoy the completion of these long set out goals together in-person as one team. I'm grateful we've had the opportunity to share in that.

Although faced with some organizational restrictions earlier in the year, we were still able to move along several key initiatives. These included, the introduction of the new Marine Advancement Program, the Leadership Essentials Program with 23 graduates, the Levels Training Program for all new employees, the Nanaimo Team moving into their new office, the receipt of the final 52-foot landing craft, and the Sidney team going to 24-hour operations.

In Q1, we initiated a series of workshops with KOTUG to design the offshore supply vessel layout and define interface commitments. We also formed a team to look at the requirements for our new office and warehouse in Coquitlam. These two new projects, along with the third-party verification program, the ongoing base construction, and the barge construction in Singapore, kept the teams very busy.

In Q2 and Q3, we continued with our hiring plan and the onboarding and training of new employees, moving us closer to our desired staffing complement. We were also finally able to hand over the Sidney and Fraser River response bases with in-person ribbon cutting ceremonies, bringing some normality back into our day-to-day business. Adding to that normality was the successful in-person exercise combining the 10,000 and 20,000-tonne commitments, which was the largest in the company's history.

From a business-as-usual operational standpoint, South Coast went to a seven-day coverage schedule in preparation for our future commitments. Other operational areas continued to build their teams through exercises and training on the basics of spill response and North Coast got a face lift to their office.

## 2022 has been a year of milestones as we completed plans set in motion years ago.

Along the continuous improvement lines, HR introduced a 360-feedback process to aid in personal development and RRT has begun a rebuild of our corporate non-operational training program. Both programs will help us grow as an organization in the future.

Finally, December saw the arrival of two new 3,500-tonne barges, the last of the vessel builds for the organization. So, as we look forward, by the end of this year we will have five of our six new bases online and all new vessel builds constructed and added to the WCMRC fleet.

I will close by saying thank you to everyone for your continued support. We are almost finished our expansion which means our focus will change over the next year to maintaining our new assets and continually improving our procedures, processes, and response readiness. Together we have built an organization I think we can all be proud of, so let's keep up the great work and have others around the world look to benchmark against us, as the leader in spill response.





# 2022 HIGHLIGHTS

Each year, WCMRC responds to spills across the British Columbian coastline in concert with our many partners and stakeholders to ensure the protection of wildlife, economic and environmental sensitivities, and the safety of both the responders and the public. Over the years, our employees have responded to hundreds of marine oil spills and spent thousands of hours training and preparing to ensure response readiness. Here are some of the key highlights of from 2022:



8

Spill Activations



95

Contractors Trained



150

Geographic Response Strategies Developed



90

Geographic Response Strategies Field Tested



5

Coastal Response Packages deployed





# BEHIND THE SCENES AT CARPENTER BAY

At 20:00 on Saturday, September 10, WCMRC was activated by the Canadian Coast Guard (CCG) to attend to a sunken vessel in Carpenter Bay in Gwaii Haanas National Park Reserve. Coincidentally, Joe Nelson, WCMRC's North Coast (NC) Operations Supervisor, and the NC team had been prepping for a separate activation call to a boat fire from the night before in Prince Rupert Harbour.

To access the remote site, WCMRC worked with CCG to load vessels and equipment on to the Atlantic Raven. The NC team, Peter Bergman, Tyler Morven, and Garrett Kobza, with assistance from the on-duty supervisor, Darcy Burt out of Sydney, along with training staff Ian Grantham and Henry Helin, and Colleen McDonald from RRT, worked throughout the night to prepare the Atlantic Raven for the response. By 07:00 Sunday morning, the team had loaded the Raven with 3,500 feet of boom, two workboats, totes, equipment, and crew.

Responses like these highlight the importance of partnership and collaboration between coastal communities, the Canadian Coast Guard, and response organizations to manage remote and challenging responses on Canada's West Coast.



# SAFETY REPORT

Increased safety support to field operations by adding an additional Safety Coordinator for Vancouver Island.

Introduction of the MS Teams Initial Incident Reporting App.

Creation of the Central Health and Safety Committee to address and action health and safety issues throughout the organization.

Introduced the Safety Champion Acknowledgment Program to identify those in the organization who have gone above and beyond in support of safety.

## CORE-4 SAFETY PRINCIPLES

01		02		03		04	
	Safety is #1 — Always		Visible Health and Safety Leadership		Be Certain — Stop and Reassess		Continuous Improvement

## LIFE SAVING RULES

			
Risk Assessment	Line of Fire	Correct Unsafe Acts and Conditions	Critical Tasks
			
Buddy System	Personal Protective Equipment	Driver Safety	Fit For Duty



# RESPONSE READINESS REPORT

## TRANSPORT CANADA CERTIFICATION

- Received Transport Canada Certification for 2022-2025
- Completed 10,000 tonne table-top exercise for an incident at Arachne Reef including First Nations representation in unified command
- Completed 150 tonne on water drill in Vancouver Harbour
- Conducted first unannounced 150 tonne drill on Vancouver Island, activating South Coast and all Vancouver Island bases

## 20,000 TONNE THIRD PARTY REVIEW

- Submitted Strategic Plans and updated Oil Spill Response Plan to Lloyd's Register
- Conducted equipment and base verifications
- Received positive verification from Lloyd's

## COASTAL RESPONSE PROGRAM

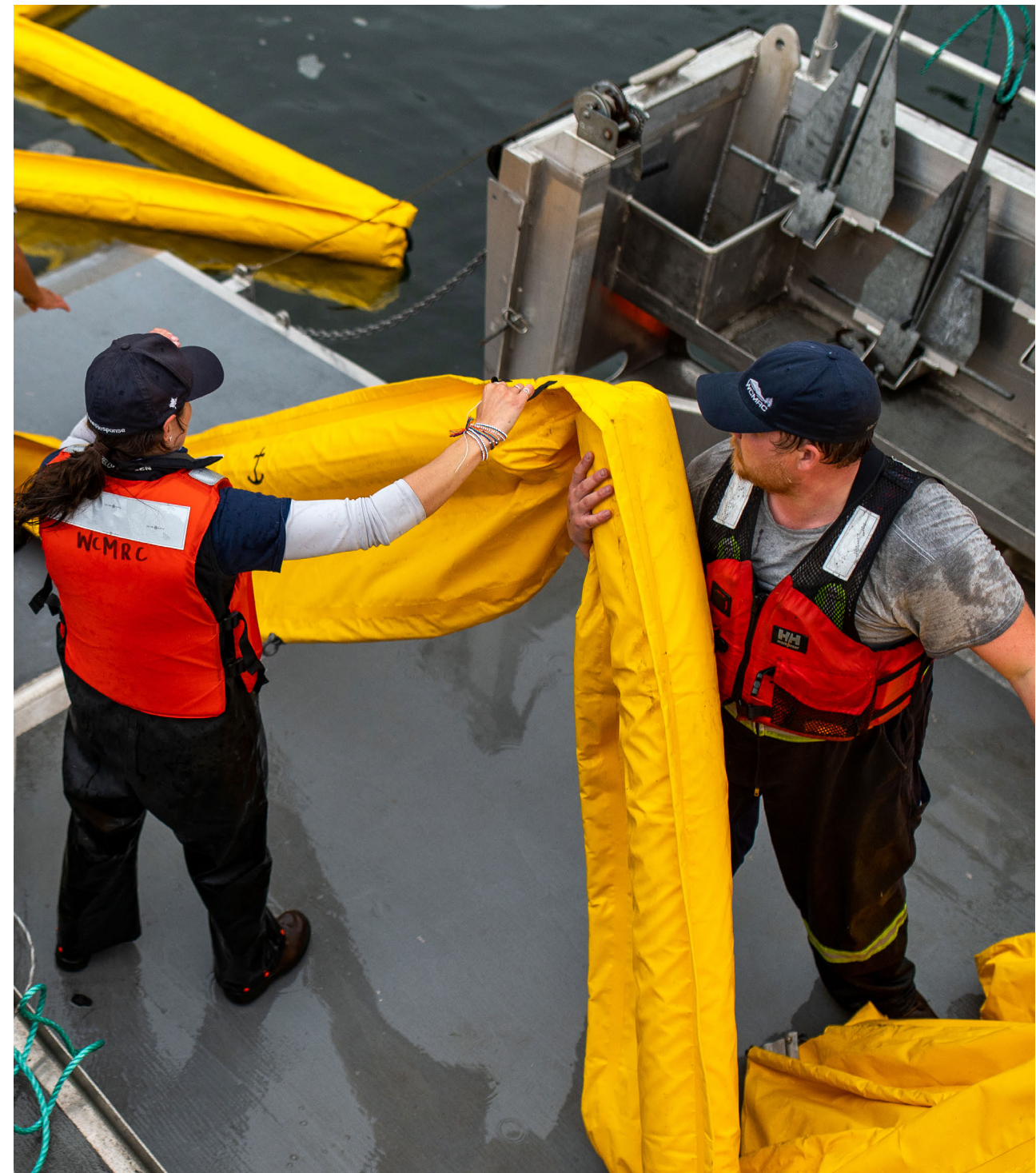
- Worked with 14 First Nations on Geographic Response Strategies (GRS), including Tsleil-Waututh, Tseshaht, K'omoks, Cowichan Tribes, Kyuquot, Nanwakolas (5 Nations), Penelakut, Sechelt, Musqueam, and Malahat Nations
- Deployed GRS with CCG and Tsimshian Nation member Bands in Prince Rupert Harbour
- Deployed GRS with CCG, Kwakiutl and 'Namgis as contractor.
- Signed three new contractors ('Namgis, Beecher Bay, Bridgemans)
- Worked with BC Hydro on developing GRS for hydro sites





# LOGISTICS REPORT

- Outfitted the Nanaimo warehouse
- Outfitted and delivered the final four mini barges to Operations
- Outfitted and delivered final 52-foot landing craft to Operations
- Outfitted and delivered two standard boom trailers to Operations
- Designed, outfitted, and delivered two staging area trailers to Operations
- Received and staged specialized equipment containers for the new response barges, escort tugs and offshore supply vessel
- Outfitted 24 forty-foot containers for the response barges
- Implemented an Inventory Management System in trailers and warehouses





# TRAINING REPORT

- Fourteen new employees completed their Level 1 training
- Nineteen contractor training sessions to date
- Held an Indigenous Intern Bootcamp and Casual Employee Bootcamp
- Worked with a video vendor to create new training collateral for the new response barges and to support training of offshore supply vessel crews
- Hosted International Maritime Organization 2 and 3 level courses in Nanaimo with participants from CCG, industry, and WCMRC
- 70 contractors trained as Deckhands on WCMRC vessels
- 25 contractors trained as Shoreline Supervisors
- 23 VOO's and associated crews trained in various operational tactics



## WOMEN AT WCMRC

The marine industry is a historically male dominated. Data from the IMO shows that women represent only 2% of the marine workforce. We want to change that. In 2022, we launched our Women at WCMRC campaign to encourage more women to get involved in this dynamic industry on Canada's West Coast.





# BEHIND THE SCENES AT HOCKING POINT

In the early hours of July 11, a 34-foot gillnetter sunk off Hocking Point near Nahmint Bay in Alberni Inlet. It held an estimated 500 litres of diesel fuel aboard. The Canadian Coast Guard (CCG) was first to respond and deployed 250 feet of boom establishing initial containment.

CCG activated WCMRC with crew from the Port Alberni base responding. The crew were tasked to tend to the boom already deployed by CCG, line the boom with sorbents and recover soiled sorbents.

Responding from WCMRC were the 38-foot landing craft Nootka Sentinel and 3 crew, the 26-foot workboat Sentinel 32 and 3 crew, and a 30-foot boom skiff with 2,000 feet of boom.

Each day of the incident brought with it unique challenges as the sunken vessel was able to move within an approximate 60-foot circle of where it was anchored. Further complications included depth and current. The response allowed for both senior and junior mariners to gain experience on a spill with a moving target in fast flowing water.

“Tseshahat is thankful for the immediate response of the Coast Guard and WCMRC to this incident at Hocking Point recently. While it was not the final result Tseshahat would have hoped for as the ship was not recovered, WCMRC acted fast and remained in good communication with our First Nation. We have now witnessed the benefit of the WCMRC having a base in our territory and staff who work hard to help take care of our territory.”

— Chief Ken Watts, Tseshahat First Nation





# INDIGENOUS NATIONS AND COASTAL COMMUNITY ENGAGEMENT

Coastal Indigenous Nations and coastal communities are the first to be impacted by a marine oil spill and play a vital role in response operations in Coastal British Columbia. Preparedness is a key factor in spill response on the West Coast, and strong relationships with local partners is vital to mitigating impacts should a spill occur. In partnering with many Indigenous Nations and coastal communities, WCMRC's capacity is improved, and communities are empowered to prevent, and mitigate the damage in the event of a spill. Indigenous Nations and coastal communities are involved by: identifying local sensitivities; becoming response contractors; storing Coastal Response Packages; or simply learning what to expect if and when a spill occurs. Our engagement work is highlighted in the following response base updates.





# Response Base Report: PORT ALBERNI



## Highlights:

- Led the response to sunken vessel at Hocking Point
- 10 GRS deployments
- One new staff onboarded and trained
- Deployed GRS with Tlowitsis First Nation and Nanaimo base
- Conducted exercises at Chup Point and Doctor Bay
- Water street moorage deck opened to the public
- Parkland re-certification drill and exercise in Ucluelet
- Took part in an exercise in Port Hardy with CCG, Nanaimo base, and 'Namgis Nation

### PERSONNEL



### BOOM TOTAL (metres)



### Sheltered (metres)



### Shoreline (metres)



### SKIMMING CAPACITY (tonnes/hour)



### STORAGE (tonnes)



### EQUIPMENT PACKAGES & TRAILERS



### VESSELS

- 1** Oil Spill Response Vessel
- 2** Landing Crafts
- 2** Boom Skiffs
- 1** General Vessel
- 2** Mini Barges
- 1** Work Boat



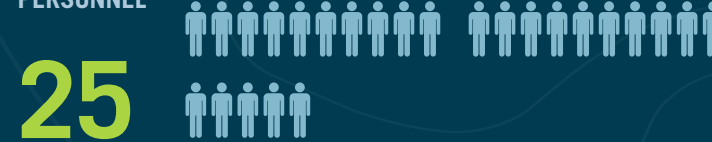
# Response Base Report: SIDNEY



## Highlights:

- Supported the potential activation to sunken vessel in American waters
- 22 GRS deployments
- Three new staff onboarded and trained
- Supported vessel of opportunity contractor training with RCM-SAR, Pauquachin Nation, and Prism
- Supported community contractor joint training with RCM-SAR and Malahat Nation
- Hosted a community vessel familiarization at Pender Island
- Hosted an open house at the base for the community

### PERSONNEL



### BOOM TOTAL (metres)

6,790

Sheltered (metres)

4,280

Unsheltered (metres)

1,260

Shoreline (metres)

1,250

SKIMMING CAPACITY  
(tonnes/hour)

59

STORAGE  
(tonnes)

137

EQUIPMENT  
TRAILERS

13

### VESSELS

- 1 Oil Spill Response Vessel
- 2 Landing Crafts
- 2 Boom Skiffs
- 2 Mini Barges
- 1 Work Boat



# Response Base Report: BEECHER BAY

BEECHER BAY

Salish Sea

## Highlights:

- 20 GRS deployments
- Completed hiring and onboarding of full staff complement
- Trained three new contractors
- Lease signed, and construction initiated to build response base on Beecher Bay First Nation lands

### PERSONNEL

**20** 

### BOOM TOTAL (metres)

**3,080**

Sheltered (metres)

**2,590**

Unsheltered (metres)

**460**

Shoreline (metres)

**30**

SKIMMING CAPACITY  
(tonnes/hour)

**61**







STORAGE  
(tonnes)

**40**

EQUIPMENT  
TRAILERS

**6**

### VESSELS

- 1**  Oil Spill Response Vessel
- 2**  Landing Crafts
- 2**  Boom Skiffs
- 1**  General Vessel
- 2**  Mini Barges
- 1**  Work Boat



# Response Base Report: NANAIMO



## Highlights:

- Conducted joint training with CCG
- Supported vessel of opportunity training for two new vessels and 12 crew
- Supported training of eight contractors
- Onboarded and trained three new staff
- Onboarded and trained three new casual employees
- Moved into new response base

### PERSONNEL



### BOOM TOTAL (metres)



Sheltered (metres)	Unsheltered (metres)	Shoreline (metres)
8,160	2,030	520

### SKIMMING CAPACITY (tonnes/hour)



### STORAGE (tonnes)



### EQUIPMENT TRAILERS



### VESSELS

- 1 Oil Spill Response Vessel
- 2 Landing Crafts
- 1 Boom Skiff
- 3 General Vessels
- 1 Mini Barge
- 4 Work Boats
- 1 Response Barge





# Response Base Report: PRINCE RUPERT

## Highlights:

- Led WCMRC’s response, in partnership with CCG, to the Carpenter Bay incident
- Assembled and commissioned new response trailer
- Supported training of new contractor
- Participated in multiple member exercises

### PERSONNEL

**10** 

### BOOM TOTAL (metres)

**13,380**

Sheltered (metres)

**1,070**

Unsheltered (metres)

**10,870**

Shoreline (metres)

**1,440**

SKIMMING CAPACITY  
(tonnes/hour)

**117**

STORAGE  
(tonnes)

**316**

EQUIPMENT  
TRAILERS

**33**

### VESSELS

**1**  Oil Spill Response Vessel

**3**  Landing Crafts

**2**  Boom Skiffs

**3**  Mini Barges

**3**  Work Boats



# Response Base Report: FRASER RIVER



## Highlights:

- One activation
- Seven GRS deployments
- Four new staff onboarded
- Onboarded two new contractors
- Participated in two large scale train derailment drills
- Conducted shoreline flush demo for the City of Richmond

### PERSONNEL

**11** 

### BOOM TOTAL (metres)

**3,350**

Sheltered (metres)

**3,050**

Unsheltered (metres)

**300**

SKIMMING CAPACITY  
(tonnes/hour)

**8**




STORAGE  
(tonnes)

**95**

EQUIPMENT  
TRAILERS

**3**

### VESSELS

- 2**  General Vessels
- 1**  Landing Craft
- 1**  Boom Skiff
- 2**  Mini Barges
- 1**  Workboat



# Response Base Report:

# VANCOUVER HARBOUR

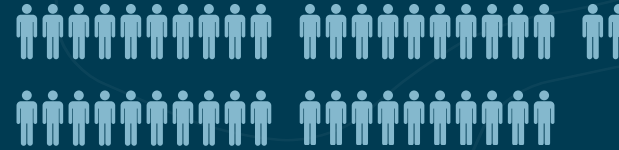


## Highlights:

- Three activations
- Testing and proof of concept for mini-barge offload units
- Participated in RiverFest community event
- Hosted a community vessel familiarization event at Lonsdale Quay
- Took part in World Maritime Day at Canada Place
- Switched to seven-day week schedule resulting in 84 hours/week coverage
- Signed lease for new office/warehouse in Coquitlam to replace Kensington
- Commissioned new Terminator skimmers
- Provided safety boat support for five canoe events organized by Musqueam, Squamish and Tsleil-Waututh.

### PERSONNEL

42



### BOOM TOTAL (metres)

12,810

Sheltered (metres)

5,680

Unsheltered (metres)

3,490

Shoreline (metres)

3,640

### SKIMMING CAPACITY (tonnes/hour)

270

### STORAGE (tonnes)

4,520

### EQUIPMENT TRAILERS

28

### VESSELS

4



Oil Spill Response Vessels

1



Landing Craft

4



Boom Skiffs

1



General Vessel

8



Mini Barges

2



Response Barges





**WCMRC**  
Western Canadian Marine  
Response Corporation

**PACIFIC SENTINEL**

**SPILL RESPONSE**

