



## Water Properties Group

Fisheries and Oceans Canada  
Institute of Ocean Sciences, Sidney, BC

### Science Cruise Report

Your cruise report has been recorded. Please review the document below to ensure that there are no errors. If you wish to edit your cruise report then you may click 'Edit This Cruise Report' button at either the top or bottom of this page.

## Distributing Your Cruise Report to Cruise Participants, the Vessel, Coast Guard, the IOS Winch Shop, and the PSVC committee

When you are ready, you may distribute an email containing a link to your completed cruise report to all participants listed on your cruise plan, the vessel you are sailing on, the Regional Operations Centre at Coast Guard, the IOS Winch Shop, and the PSVC committee.

An email may be automatically generated by clicking on the button below and this will provide a link to your reports in the email. This email will be generated using your default email application (e.g., Outlook, Thunderbird, etc) and sent from your account. *You will be able to edit the email message before sending, including adding any other comments or adding other email address that might have an interest in your report.*

**IF YOU ARE USING CHROME** then clicking the email buttons below will likely generate a not secure form submission warning message: "The information that you're about to submit is not secure Because this form is being submitted using a connection that's not secure, your information will be visible to others.". If you receive this message, then click "Send Anyways" and this will spawn an email that you can then edit before sending. Alternatively you can copy the email to your own email application or use another browser (e.g., Firefox).

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## Regional Operations Centre, Canadian Coast Guard Western



### Science Cruise Report: PAC 2024-029

**Report last updated:** 2024-05-10 14:02:56

<https://www.waterproperties.ca/requests/cruiseplanview.php?cruiseid=2024-029>

[Print Report to Printer or PDF](#)

Department/Group:	Fisheries and Oceans Canada, OSD
Other Participating Groups:	
Science Cruise Number:	PAC 2024-029
Alternative Cruise Number:	
Ship's Patrol Number:	23-00
Name of Vessel/Platform:	Neocaligus
Dates:	From: Tuesday 30-Apr-2024 To: Sunday 05-May-2024
Chief Scientist:	Kelly Young, 250-363-6502, <a href="mailto:kelly.young@dfo-mpo.gc.ca">kelly.young@dfo-mpo.gc.ca</a>
Master:	Dennis Roberts
Fishing Master:	
Appropriateness of Vessel:	Excellent

### Time Allocations

Originally Allocated Days 6.00

Accounting below is given in days and should match the originally allocated days above.

Weather	+ 0.00
SAR	+ 0.00
CCG Refueling	+ 0.00
CCG Ship Repair & Maintenance	+ 0.00
CCG Crew Changes	+ 0.00
CCG Other	+ 0.00

Science Operations	+ 0.50	
Science Equipment Loading/Unloading	+ 1.00	ship transit back to PBS
Science Other	+ 0.00	
Days Gained		
Days Grand Total	= 6.00	

Time Allocation Comments: No weather or tides delay, and great crew allowed cruise to finish full program with time allotted.

Cruise Events

Areas of Operations

Strait of Georgia

Scientific Personnel

Name	Notes (Affiliation, Watches, Duties, etc)
Sile Kafrissen	on-board lead, all sampling
Francesca Loro	all sampling

Event Log

- 30 April 2024: Joined vessel in Nanaimo. Loaded gear and set up equipment. Departed PBS early afternoon. Conducted science operations at GEO1, 3. Anchored in Tribune Bay
- 1 May 2024: Continued work proceeding North and around North end of Texada Island.Tied up Pender Harbour.
- 2 May 2024: Worked S through Malaspina Strait and into Central Strait of Georgia and proceeding South. Anchored by False Narrows between Mudge and Link Islands
- 3 May 2024: Completed Central Strait. Anchored by Sidney Spit
- 4 May 2024: Completed Haro and Gulf Island stations. Unloaded and stored all samples at IOS. Science departed vessel.
- 5 May 2024: Vessel returned to PBS

Scientific Equipment Report

No data was recorded for CTD event 48 (GI-01) not sure why.

Potential for dissolved oxygen sensor to be reading low see report from 2023-026 comparing SBE25p to 911 used during that trip. Need more data to confirm, potential for additional casts on upcoming Laperouse trip.

Radioisotope Report

[Not Entered]

Scientific Successes and Concerns

LabSTAF Portable Phytoplankton Primary Productivity Instrument used again this trip by Sile, successfully collected data at all surface sampling stations. Chitobiase incubations also completed at 3 stations.

HPLC samples filtered on 25mm GF/F this cruise

Collected surface water samples for Rhonda Reidy (ECCC) for her stable isotope study.

Thanks to Scott, Chloe, Mark, Melissa and Germaine for behind the scenes prep and technical support.

Thanks to PBS Shrimp group for use of their table and computer cabinet.

Platform Successes and Concerns

Excellent platform and crew. Crew were efficient and professional and always ready to accommodate (as always)

Safety Concerns

[Not Entered]

Hazardous Occurrences

[Not Entered]

Thank you Neocaligus Captain and crew for successful trip

Thanks to IOS winch shop for help unloading the gear at the end of the trip

Images

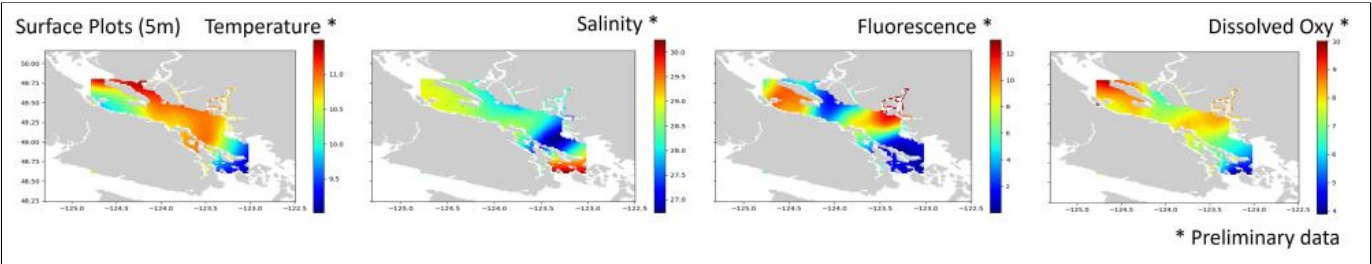





Image notes:

5m surface plots, preliminary data

Other Supporting Documents:

*Note that some of these files may not load correctly in your browser when clicked, but you can right-click on them and save them to your local machine to view.*

Filename	Type	Size	Modified
 2024-029logbook.pdf	file	345K	Friday 10 May 2024 13:58
 2024-029plan1.jpg	file	329K	Tuesday 05 Mar 2024 10:37
 2024-029report1.jpg	file	30K	Friday 10 May 2024 14:02

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