

Clear Seas Research Co-op Position (January 2025 – August 2025)

Technical skills assessment:

The Pacific Pilotage Authority (PPA) is responsible for marine pilotage in the coastal waters of British Columbia. Pilots help vessels, like tankers and cargo ships, navigate through local waters as they come into berth at the Port of Vancouver. The PPA publishes data on vessel movements in their jurisdictional area, which includes information about the type of vessel, the origin and destination of the vessel, and the date and time the pilot was called to the vessel.

Using the information on the PPA's website, walk us through how you would calculate the number of tanker visits to the Port of Vancouver in 2023. The vessel movement data can be found here:

<https://www.ppa.gc.ca/vessel-movement-data>

We're more interested in hearing about your methodology for solving this question, rather than the answer itself. You can give us a step-by-step overview, including considerations around data quality, management, and the presentation of results. Prepare to spend a maximum of 5-10 minutes discussing this question with us during the interview.