

## Basic Information

*This section contains basic information about the dataset, suitable for a minimal metadata entry.*

**Title:** Active Commercial Shipping Anchorages in Pacific Canada

**Dataset ID:** commercial-anchorages

**Status:** Completed

**Quality Control:** Completed

**Summary:** This is a point layer of the names and locations of the actively used commercial anchorages in British Columbia. These point locations were manually compiled from different port guides and documents. Our objective with this dataset is to provide a consolidated file containing all active commercial anchorage locations as there has been a lack of consistency between different sources due to variations in names and locations in different datasets and historical changes to anchorage locations..

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**Cite this data as:** Fiona Francis, 2023. Active Commercial Anchorages in Pacific Canada. Published Mar 24 2023.

**Start Date:** 2023-01-01

**End Date:** 2023-03-31

## Contact Information

*This section contains contact information for the data creator and program manager.*

### Data Creator:

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### Program Manager:

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## General

*General metadata compatible with the Canada Open Data metadata standard.*

**Topic Category:** oceans

**Date Completed:** 2023-03-24

**Date Published:** 2023-03-24

**Update Frequency:** As needed

**Dataset Level:** Dataset

**Keywords (GoC Thesaurus):** port authorities, commercial ships, marine pilotage

## Science

*This section contains metadata specific to the Science branch at DFO.*

**Science Keywords:** anchorages, commercial shipping, swing radius, loa, depth, maximum allowable ship length

**Theme:** Classification

### Methods:

Anchorage coordinates were compiled from several different port guides and supporting documents. Active anchorage usage status was confirmed using Pacific Pilotage usage data. Opportunistically used anchorages that have been used historically were not included in this dataset. If an anchorage has multiple names that share the same coordinates these have been included as well information on the depth, maximum allowable ship length (LOA), and swing radius of each anchorage where known.

### Data Sources:

Prince Rupert Port Authority Guide: <https://www.rupertport.com/port-information-guide/>

Port of Vancouver Guide: <https://www.portvancouver.com/marine-operations/port-information-guide/>

Marine Traffic: <https://www.marinetraffic.com/en/ais/home/centerx:-127.7/centery:52.5/zoom:6>

MEIT database: <https://www.canada.ca/en/environment-climate-change/services/managing-pollution/marine-emissions-inventory-tool.html>

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

PPA controlling depths and parameters: <https://www.ppa.gc.ca/Controlling%20Depths>

### Scripts or Software Routines: .

Manually created using coordinates from other documents. Contact Fiona Francis for more information.

### Spatial Data Quality:

Quality of spatial data is limited by source documents but has been provided to the smallest decimal place possible. The dataset has not been intentionally degraded to preserve privacy.

### Positional Accuracy:

Accuracy of position varies by source.

### Attribute Accuracy: NA

Accurate based on information from port guides and marine traffic.

**Logical Consistency:**

High fidelity in relationships

**Completeness:**

Complete dataset of actively used commercial anchorages accessed by PPA. Anchorages with occasional historical use are not included.

**Absence Data:** No Absence Data

**Uncertainties:**

Ongoing discussions about commercial anchorage locations such as those in the Active Vessel Traffic Management Program may lead to changes in some anchorage locations in the future. We will update the dataset when possible with any additional changes.

**Use Restrictions:**

Not suitable for navigation

**Temporal Coverage:**

Many of these commercial anchorages have unknown dates of establishment and appear of marine navigational charts in the 1970s. In 2015/2016 there were changes to the site positions of some of the anchorages in the southern gulf islands primarily in the Ladysmith, Plumper Sound, and Cowichan Bay areas. This data compilation only includes the new sites in these areas as the older ones are no longer active. Some marine charts and data sources have not been updated to reflect these changes. Additionally, disused anchorages that are listed in port guides but do not have assigned coordinates (e.g. Prince Rupert Anchorage #1) are not included in this file.

**Collaboration:**

This data compilation was done in collaboration with Natural Resources Canada (NRCan), the Pacific Pilotage Authority (PPA) and Environment Climate Change Canada (ECCC)

**Confidentiality:** Not Protected