

Information for Mariners – October 2023

ONC Baynes Sound

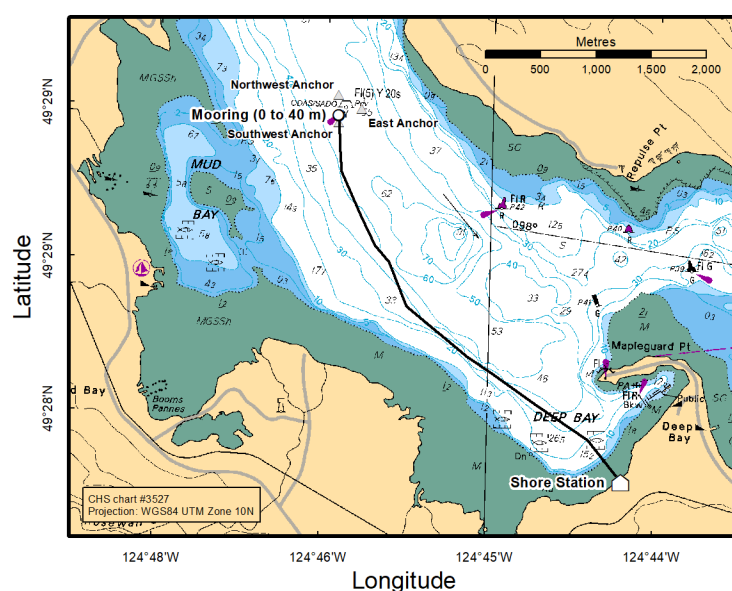
Project: Baynes Sound Ocean Acidification Mooring, managed by Ocean Networks Canada (ONC) of the University of Victoria, is a surface moored platform for monitoring oceanographic conditions in Baynes Sound (Figure 1). The project is a collaboration between the Department of Fisheries and Oceans, MEOPAR, VIU, and ONC. The mooring consists of a triple anchored 7 m yellow platform, with taut anchor lines running Northwest, Southwest, and East from the float. The system is configured with multiple oceanographic instruments for measuring the water properties as they relate to monitoring ocean acidification. A marine cable extends from a shore station along the ocean bottom to the mooring and a wireless link transmits data to the shore station. The data are then sent to the University of Victoria and are available in real-time from the ONC website:

<http://www.oceannetworks.ca/>

What: Marine observatory system (see web site for system details).

When: Latest system and instrument deployments in Baynes Sound: **23 August 2023**

Baynes Sound Mooring



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Installations:

Name	Latitude	Longitude	Depth [m]	Notice	Description
Mooring	49.48689 N	-124.76933 W	0-40 m	See chart #3527	7 m yellow surface platform equipped with ODAS lights [Y FI(5)20s]. See Figure 1 below for photo.
Northwest Anchor	49.48855 N	-124.76940 W	55 m		Anchor
Southwest Anchor	49.48630 N	-124.76931 W	56 m		Anchor
East Anchor	49.48742 N	-124.76647 W	55 m		Anchor

Cables and Lines: A cable runs from the shore station located on the pier at 49.45754 N, -124.73308 W. From there, it extends subsea to the mooring (See Figure 1).

Contacts: If you have any concerns, or would like further information, please contact either: Meghan Paulson, Ocean Networks Canada's Director of Observatory Digital Operations at mpaulson@uvic.ca or 250-721-6279 or ONC GIS Specialists at GIS@oceannetworks.ca.



Figure 1: Surface Platform in Baynes Sound