Information for Mariners – April 2026
VENUS/ONC Strait of Georgia

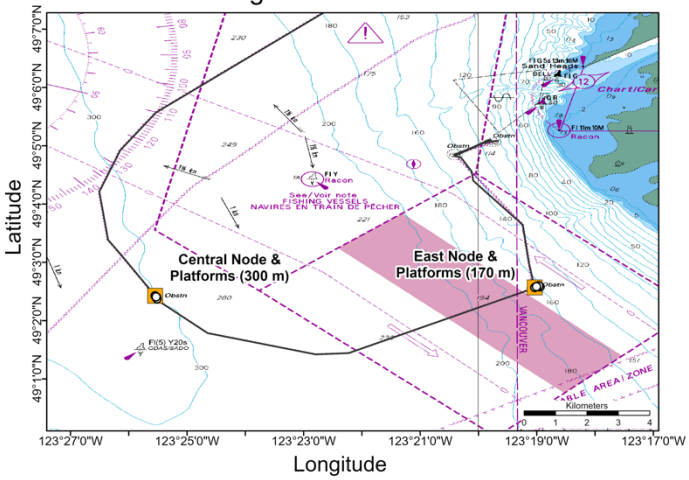
Project: The Victoria Experimental Network Under the Sea (VENUS) is an oceanographic project managed by Ocean Networks Canada (ONC) of the University of Victoria. It consists of cabled observatories in both Saanich Inlet and the Strait of Georgia. From a shore landing, an armoured marine cable extends along the ocean bottom to large observatory "Nodes", into which oceanographic instrument systems connect. High voltage power is supplied down the cable, and Ethernet communications along fibre optics bring data and images back to the University in real time. Project status, system information, and data are available from the Ocean Networks Canada web site: **www.oceannetworks.ca**

What: High voltage marine fibre optic cables and observatory systems (see web site for system details).
When: Latest system and instrument deployments: **18 March 2026**
Where: **Strait of Georgia**

The following gear is considered permanent and will be serviced for many years. The Central and East Nodes are surrounded by a study area of approximately 250m radius, with instruments and cables. A cable connects these nodes providing power and communications. Cables and Obstruction Areas are noted on the most recent CHS charts #3492 and #3463.

This figure has been produced by the University of Victoria based on Canadian Hydrographic Service (CHS) charts, pursuant to CHS Direct User License No. 2024-0822-1260-ON. The incorporation of data sourced from CHS in this product shall not be construed as constituting an endorsement by CHS of this product. This product does not meet the requirements of the Charts and Nautical Publications Regulations, 1995 under the Canada Shipping Act, 2001. Official charts and publications; corrected and up-to-date, must be used to meet the requirements of those regulations.

Strait of Georgia ONC Subsea Installations



Installations:

Name	Latitude	Longitude	Depth(m)	Description
Central Node	49.04044	-123.42579	300	Large (4 m) orange and black frame
Central Instrument Platform	49.04003	-123.42551	294	Large (3 m) grey steel frame
Central Hydrophone Array	49.03956	-123.42525	298	Large (2.5 m) metal platform
Central Cabled CTD	49.04012	-123.42548	298	Large (2 m) metal tripod
Central Current Meter	49.04006	-123.42541	296	Small (1 m) aluminum tripod
East Node	49.04283	-123.31727	170	Large (4 m) orange and black frame
East Instrument Platform	49.04307	-123.31677	163	Large (3 m) grey steel frame
East Hydrophone Array	49.04330	-123.31611	165	Large (3 m) grey and black steel tripod
East Cabled CTD	49.04312	-123.31672	165	Large (2 m) metal tripod
East Autonomous CTD	49.04300	-123.31568	163	Steel tripod (2m) extending 7.5m above seafloor

Full cable routes and waypoints are available for use with Electronic Navigation Systems from the ONC website:
https://www.oceannetworks.ca/notice-for-mariners

Contacts: If you have any concerns, or would like further information, please contact Ben Biffard, Ocean Networks Canada's Director of Observatory Digital Operations at **bbiffard@oceannetworks.ca**, or Ocean Networks Canada's GIS Specialists at GIS@oceannetworks.ca.