Information for Mariners – January 2021
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: **24 September 2020**
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, and the Delta Node consists of a single instrument. A cable connects these nodes providing power and communications. Cables and Obstruction Areas are noted on the most recent CHS charts #3492 and #3463.

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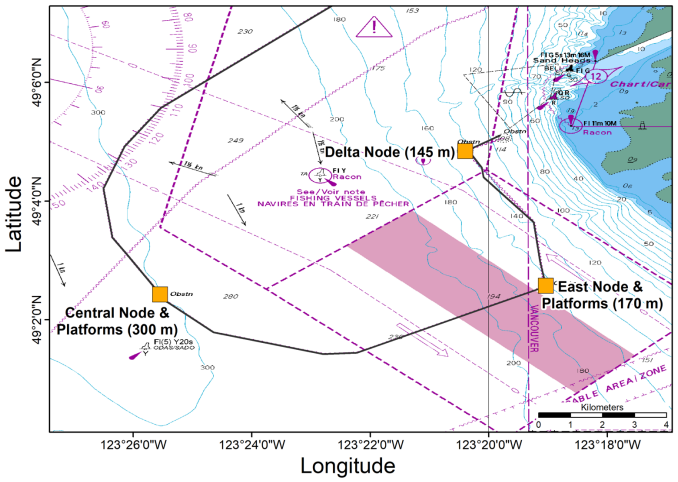
Strait of Georgia ONC Subsea Installations



Platforms:

Name	Latitude	Longitude	Depth(m)	Description
Central Node	49.04044	-123.42580	300	Large (4 m) Orange and black frame
Central VIP	49.04003	-123.42551	294	Large (3 m) Grey steel frame
Central VIP Tripod	49.04006	-123.42541	296	Small (1 m) Aluminum tripod
Central Hydrophone	49.03952	-123.42544	297	Small (1 m) Aluminum tripod
Central CTD	49.03972	-123.42667	299	Large (3 m) White Steel tripod
Delta Node	49.08062	-123.33994	145	Large (3 m) White steel frame
East Node	49.04284	-123.31727	170	Large (4 m) Orange and black frame
East VIP	49.04315	-123.31687	164	Large (3 m) Grey steel frame
East CTD	49.04312	-123.31690	163	Large (3 m) White Steel tripod
East VIP Tripod	49.04311	-123.31680	165	Small (1 m) Aluminum tripod
East Hydrophone Array	49.04330	-123.31611	164	Large (3 m) Grey and black steel tripod

Cable between East Node and DDL Node:

Cable Waypoint	Latitude	Longitude
A1	49.04284	-123.31726
A2	49.06071	-123.32068
A3	49.07333	-123.33484
A4	49.07601	-123.33529
A5	49.07996	-123.33832
A6	49.08040	-123.34031
A7	49.08072	-123.34006

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

Contacts: If you have any concerns, or would like further information, please contact either: Ian Kulin, Ocean Networks Canada's Director of Marine Operations at ikulin@uvic.ca or 250 721-6279, or Ocean Networks Canada's GIS Specialists at GIS@oceannetworks.ca.