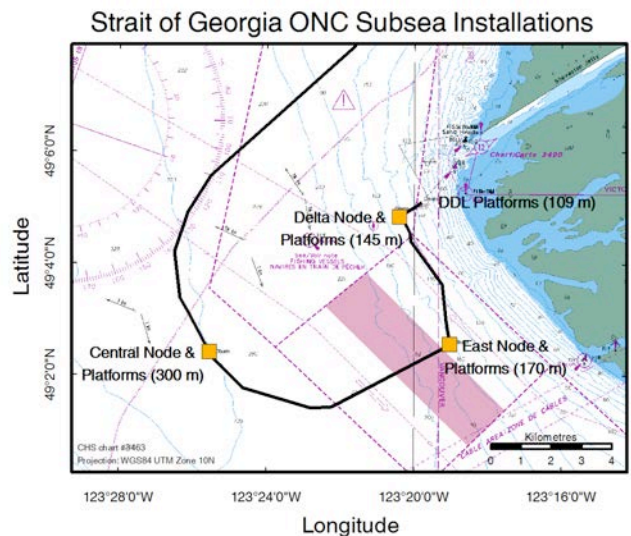


Information for Mariners – October 2018 VENUS/ONC Strait of Georgia

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: **4 October 2018**
Where: [Strait of Georgia](#)

The following gear is considered permanent, and will be serviced for many years. Each “Node” is 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.



(CHS) charts, pursuant to CHS Direct User License No. 2016-1003-1260-V. 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

Platforms:

Name	Latitude	Longitude	Depth (m)	Notes	Description
Central Node	49° 2.4262' N	123° 25.5477' W	300		Large (4 m) orange and black frame
Central VIP	49° 2.4009' N	123° 25.5270' W	296		Large (3 m) grey steel frame
Central Hydrophone	49° 2.3659' N	123° 25.5072' W	298		Small (1 m) Aluminum tripod
DDL Platform	49° 5.1044' N	123° 19.8060' W	109		Large (3 m) white steel tripod
Delta Node	49° 4.8400' N	123° 20.3970' W	145		Large (3 m) white steel frame
DDL SLIP Platform	49° 5.1193' N	123° 19.7789' W	105		3 m square yellow and white frame
East Node	49° 2.5701' N	123° 19.0359' W	170		Large (4 m) orange and black frame
East VIP	49° 2.5863' N	123° 19.0108' W	164		Large (3 m) grey steel frame
East VIP Tripod	49° 2.5853' N	123° 19.0143' W	164		Small (1 m) Aluminum tripod
East Hydrophone	49° 2.5935' N	123° 18.9682' W	163		Small (1 m) Aluminum tripod

Cable between East Node and DDL Node:

Cable Waypoint	Latitude	Longitude
A1	49° 2.5701' N	123° 19.0359' W
A2	49° 3.6423' N	123° 19.2406' W
A3	49° 4.3997' N	123° 20.0901' W
A4	49° 4.5607' N	123° 20.1173' W
A5	49° 4.7974' N	123° 20.2993' W
A6	49° 4.8238' N	123° 20.4189' W
A7	49° 4.8400' N	123° 20.3970' W

Cable between DDL Node and DDL Platform Site:

Cable Waypoint	Latitude	Longitude
B1	49° 4.8400' N	123° 20.3970' W
B2	49° 5.1044' N	123° 19.8060' W

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: Adrian Round, Ocean Networks Canada's Director of Observatory Operations at around@uvic.ca or 250-472-5364 or Karen Douglas, GIS Specialist at kdouglas@uvic.ca or 250-472-5359.