

Information for Mariners – May 2017

VENUS/ONC Strait of Georgia

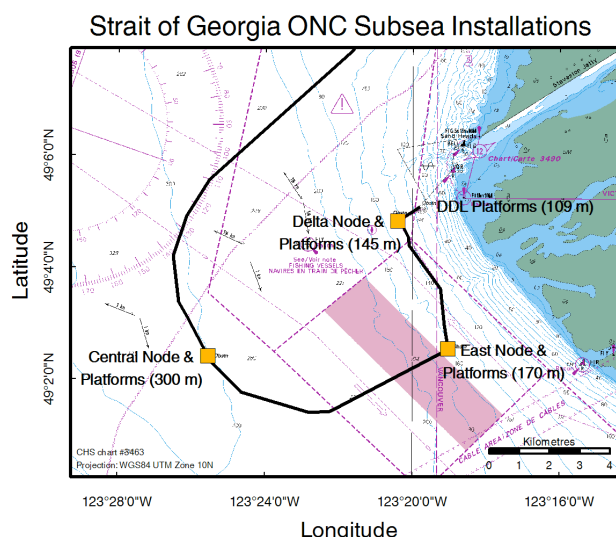
Project: The Victoria Experimental Network Under the Sea (VENUS) is an oceanographic project managed by Ocean Networks Canada (ONC) of the University of Victoria. It consists of cabled observatories in both Saanich Inlet and the Strait of Georgia. From a shore landing, an armoured marine cable extends 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: **7 May 2017**

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.



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Platforms:

Name	Latitude	Longitude	Depth	Notes	Description
Central Node	49° 2.4262' N	123° 25.5477' W	300 m	Chart 3463	Large (4 m) orange and black frame
Central VIP, Hydrophone, and Tripod	49° 2.3989' N	123° 25.5551' W	294 m		Large (3 m) white steel frame with Small (1 m) grey steel tripod and Small (1 m) Aluminum tripod
East Node	49° 2.5701' N	123° 19.0359' W	170 m	Chart 3463	Large (4 m) orange and black frame
East VIP	49° 2.5515' N	123° 18.9986' W	162 m		Large (3 m) white steel frame
East VIP Tripod	49° 2.5524' N	123° 19.0012' W	165 m		Small (1 m) Aluminum tripod
East ULS Platform	49° 2.5946' N	123° 19.0648' W	166 m		Large (3 m) grey and black steel tripod

Delta Node	49° 4.8400' N	123° 20.3970' W	145 m	Chart 3492	Large (3 m) white steel frame
Delta - BBL Platform	49° 4.8384' N	123° 20.3560' W	145 m		Small (2 m) white steel frame
Delta Hydrophone Array	49° 4.8556' N	123° 20.3228' W	141 m		1.5 m white and orange steel tripod with 20 m extension cable to a 1.5 m steel square platform
Delta Fish Acoustics Experiment	49° 4.8512' N	123° 20.3501' W	143 m		Small (1.5 m) grey steel trapezoidal frame
DDL Platform	49° 5.1057' N	123° 19.8093' W	109 m	Chart 3492	Large (4 m) white steel triangular frame with arms

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° 5.1043' N	123° 19.8128' 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.