

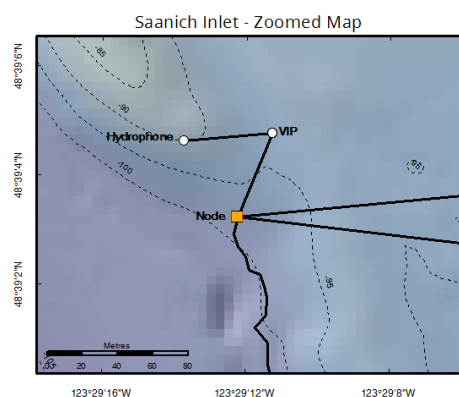
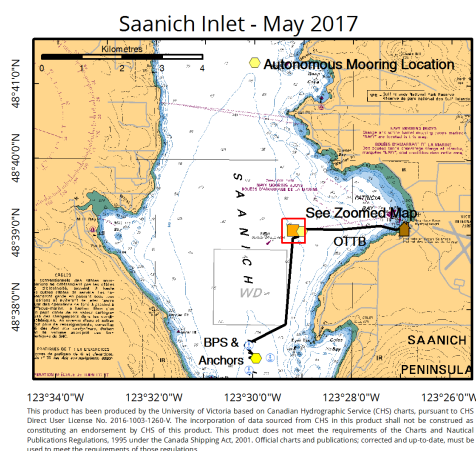
Information for Mariners – May 2017

VENUS/ONC Saanich Inlet

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 ONC website: <http://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 in Saanich Inlet: **8 May 2017**



Platforms:

Name	Latitude	Longitude	Depth	Notes	Description
Node	48° 39.0540' N	123° 29.2027' W	100 m	Chart 3441	Large 3m black trawl resistant frame
Anode	48° 39.0800' N	123° 27.0700' W	5 m		1m cube frame on bottom
Instrument Platform (VIP)	48° 39.0798' N	123° 29.1871' W	94 m		3 m white steel frame
Hydrophone	48° 39.0772' N	123° 29.2281' W	92 m		Small (1.5 m) white and orange steel tripod with 20 m cable to 1 m separate steel square platform
Inshore Profiler System (BPS)	48° 37.3370' N	123° 29.9330' W	Surface to 200 m	Charts 3313, 3441, 3462	7.5 m yellow surface platform with profiling buoy. Notice: P1083(2013)
BPS East Anchor	48° 37.3400' N	123° 29.6500' W	200 m		Mooring marking anchor
BPS NW Anchor	48° 37.5050' N	123° 30.0800' W	200 m		Mooring marking anchor
BPS SW Anchor	48° 37.1750' N	123° 30.0800' W	200 m		Mooring marking anchor
Ocean Technology Test Bed (OTTB)	48° 39.0407' N	123° 29.0194' W	95 m	Chart 3441	7 m yellow surface platform fixed in position by 3 anchors. Equipped with ODAS lights [Fl(5)20s]
Autonomous Mooring	----	----	----	P-1265 (2016)	Fixed mooring extending 10 m above seafloor. Temporarily removed for servicing

BPS Cable Route:

Cable Waypoint	Latitude	Longitude
W1	48° 39.054' N	123° 29.203' W
W2	48° 39.0489' N	123° 29.2046' W
W3	48° 39.0449' N	123° 29.2028' W
W4	48° 39.0418' N	123° 29.1991' W
W5	48° 39.0377' N	123° 29.1976' W
W6	48° 39.0364' N	123° 29.1925' W
W7	48° 39.0328' N	123° 29.1903' W
W8	48° 39.0294' N	123° 29.1893' W
W9	48° 39.0242' N	123° 29.1894' W
W10	48° 39.0202' N	123° 29.1944' W
W11	48° 39.0156' N	123° 29.1887' W
W12	48° 39.0087' N	123° 29.1884' W
W13	48° 39.0007' N	123° 29.1852' W
W14	48° 38.9948' N	123° 29.1796' W
W15	48° 38.9905' N	123° 29.1764' W
W16	48° 38.9873' N	123° 29.1728' W
W17	48° 38.9857' N	123° 29.1623' W
W18	48° 38.9806' N	123° 29.1527' W
W19	48° 38.9792' N	123° 29.141' W
W20	48° 38.975' N	123° 29.1313' W
W21	48° 38.9742' N	123° 29.1188' W
W22	48° 38.9753' N	123° 29.1096' W
W23	48° 38.974' N	123° 29.0974' W
W24	48° 38.9705' N	123° 29.0946' W
W25	48° 38.9689' N	123° 29.1065' W
W26	48° 38.9661' N	123° 29.1182' W
W27	48° 38.9646' N	123° 29.1296' W
W28	48° 38.9487' N	123° 29.2108' W
W29	48° 37.7954' N	123° 29.343' W
W30	48° 37.5111' N	123° 30.1679' W
W31	48° 37.337' N	123° 29.933' 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.