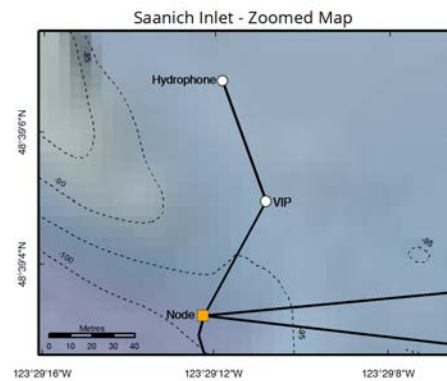
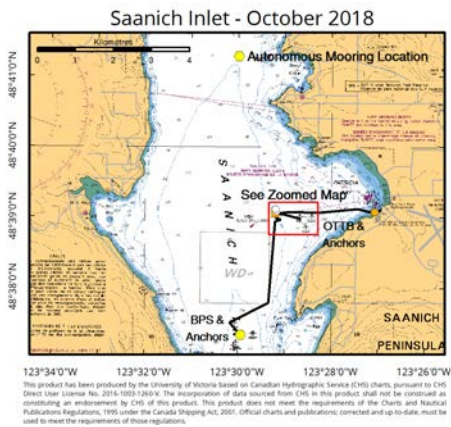


Information for Mariners – October 2018
VENUS/ONC Saanich Inlet

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). Cables and obstructions are marked on chart 3441.

When: Latest system and instrument deployments in Saanich Inlet: **5 October 2018**



Platforms:

Name	Latitude	Longitude	Depth	Notes	Description
Node	48° 39.0540' N	123° 29.2027' W	100		Large 3m black trawl resistant frame; 2 tons
Anode	48° 39.0800' N	123° 27.0700' W	5		1m cube frame on bottom
Instrument Platform (VIP)	48° 39.0830' N	123° 29.1793' W	92		3 m white steel frame
Hydrophone	48° 39.1133' N	123° 29.1961' W	92		Small (1.5 m) white and orange steel tripod with 20 m cable to 1 m separate steel square platform
Inshore Profiling System (BPS)	48° 37.3370' N	123° 29.9330' W	Surface to 200	NOTSHIP P-1377(2018)	7.5 m yellow surface platform with profiling buoy
BPS East Anchor	48° 37.3377' N	123° 29.6872' W	200		Double train wheel with 10 m of 1" chain and 350 m of 3/4" mooring line
BPS East Anchor (old)	48° 37.3400' N	123° 29.6500' W	200		Anchor with potential floating line
BPS NW Anchor	48° 37.4891' N	123° 30.0549' W	200		Double train wheel with 10 m of 1" chain and 350 m of 3/4" mooring line
BPS SW Anchor	48° 37.2160' N	123° 30.0390' W	200		Double train wheel with 10 m of 1" chain and 350 m of 3/4" mooring line
BPS SW Anchor (old)	48° 37.1750' N	123° 30.0800' W	200		Anchor with potential floating line

Ocean Technology Test Bed (OTTB) Subsea Platform	48° 38.9651' N	123° 28.5808' W	80		5 m circular frame standing 3 m high on seafloor
OTTB NE Anchor	48° 39.0000' N	123° 28.4150' W	67		1.7 m danforth anchor
OTTB NW Anchor	48° 39.0000' N	123° 28.6750' W	84		1.7 m danforth anchor
OTTB South Anchor	48° 38.8510' N	123° 28.5450' W	65		1.7 m danforth anchor
Autonomous Mooring (SILL-09)	48° 41.2830' N	123° 29.9943' W	93		Fixed mooring extending 10 m above seafloor

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.