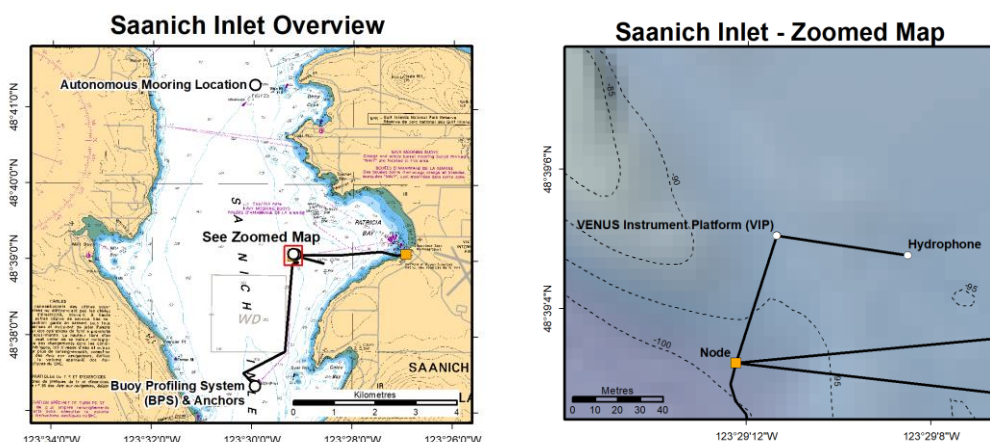


Information for Mariners – April 2020 VENUS/ONC Saanich Inlet

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: **3 March 2020**



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Installations:

Name	Latitude	Longitude	Depth (m)	Description
Node	48.65090	-123.49888	100	Large 3m black trawl resistant frame; 2 tons
Anode	48.65133	-123.45117	5	1m cube frame on bottom
Instrument Platform (VIP)	48.65141	-123.48647	93	3 m white steel frame
Hydrophone	48.65133	-123.48568	98	Small (1.5 m) white and orange steel tripod with 20 m cable to 1 m separate steel square platform
Inshore Profiling System (BPS)	48.62228	-123.49888	Surface to 200	7.5 m yellow surface platform with profiling buoy
BPS East Anchor	48.62230	-123.49479	200	Double train wheel with 10 m of 1" chain and 350 m of 3/4" mooring line
BPS East Anchor (old)	48.62233	-123.49417	200	Anchor with potential floating line
BPS NW Anchor	48.62482	-123.50092	200	Double train wheel with 10 m of 1" chain and 350 m of 3/4" mooring line
BPS SW Anchor	48.62027	-123.50065	200	Double train wheel with 10 m of 1" chain and 350 m of 3/4" mooring line
BPS SW Anchor (old)	48.61958	-123.50133	200	Anchor with potential floating line
Ocean Technology Test Bed (OTTB) Subsea Platform	48.64942	-123.47635	80	5 m circular frame standing 3 m high on seafloor
OTTB NE Anchor	48.65000	-123.47358	67	1.7 m danforth anchor
OTTB NW Anchor	48.65000	-123.47792	84	1.7 m danforth anchor

OTTB South Anchor	48.64752	-123.47575	65	1.7 m danforth anchor
Autonomous Mooring (SILL-11)	48.68847	-123.49938	90	Fixed mooring extending 10 m above seafloor

BPS Cable Route:

Cable Waypoint	Latitude	Longitude
W1	48.65090	-123.48671
W2	48.64979	-123.48621
W3	48.64950	-123.48495
W4	48.64924	-123.48634
W5	48.64825	-123.48695
W6	48.64685	-123.48711
W7	48.64544	-123.48727
W8	48.64404	-123.48743
W9	48.64263	-123.48759
W10	48.64123	-123.48775
W11	48.63982	-123.48791
W12	48.63842	-123.48808
W13	48.63701	-123.48824
W14	48.63561	-123.48840
W15	48.63420	-123.48856
W16	48.63280	-123.48872
W17	48.63140	-123.48888
W18	48.62999	-123.48904
W19	48.62948	-123.49032
W20	48.62902	-123.49166
W21	48.62856	-123.49300
W22	48.62810	-123.49433
W23	48.62764	-123.49567
W24	48.62718	-123.49701
W25	48.62672	-123.49834
W26	48.62626	-123.49968
W27	48.62580	-123.50102
W28	48.62534	-123.50235
W29	48.62462	-123.50204
W30	48.62378	-123.50090
W31	48.62294	-123.49977
W32	48.62228	-123.49888

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 Mark Rankin, GIS Specialist, at markrankin@uvic.ca or (250) 472-5386.