

Information for Mariners – May 2017

NEPTUNE Observatory: Folger Passage

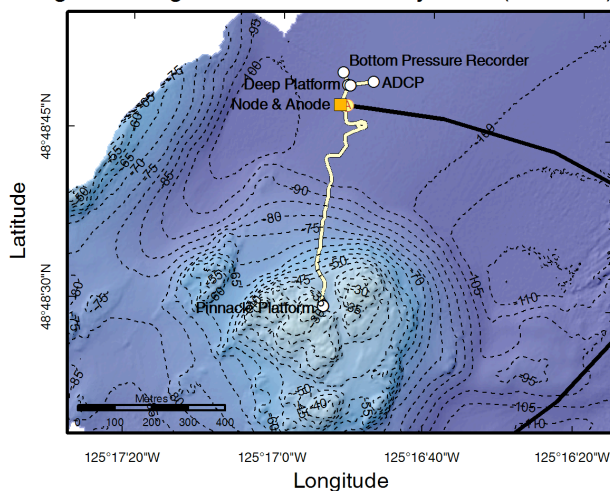
Project: The North-East Pacific Undersea Networked Experiments (NEPTUNE) is an oceanographic project managed by Ocean Networks Canada (ONC), an initiative of the University of Victoria. It consists of a cabled observatory off the west coast of Vancouver Island, beginning in Port Alberni and extending 300 km offshore along an 813 km loop. 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 website: oceannetworks.ca

What: High voltage marine fibre optic cables and observatory systems (see website for system details).

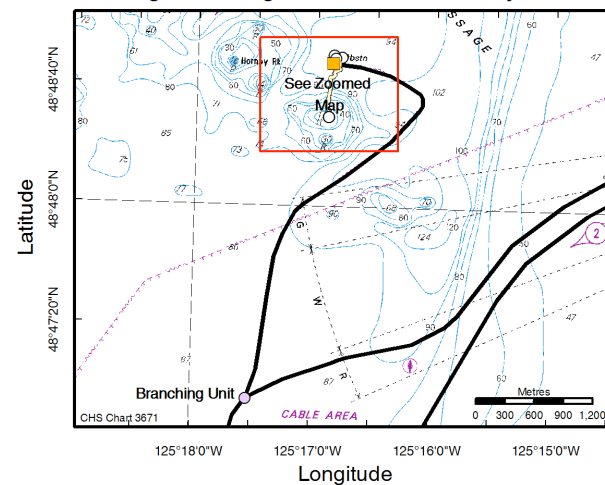
When: Latest system and instrument deployments in Folger Passage: **2 May 2017**

Where: **Folger Passage, West Coast Vancouver Island.** See **chart # 3671** for obstructions and cables.

Folger Passage Infrastructure - May 2017 (Zoomed)



Folger Passage Infrastructure - May 2017



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Name	Latitude	Longitude	Depth [m]	Notice	Description
Node	48° 48.7931' N	125° 16.8647' W	100 m		Large 7 m yellow trawl resistant frame, 13 tons
Anode	48° 48.7929' N	125° 16.8493' W	108 m		1 m Cylindrical steel can
Branching Unit	48° 46.9263'	125° 17.5287' W	87 m	P-0010(2013)	3 m Cylindrical steel can
Pinnacle Platform	48° 48.4975' N	125° 16.8900' W	25 m	Within Chart obstruction	Large (3 m) grey steel frame
Deep Platform	48° 48.8227' N	125° 16.8480' W	95 m	Within Chart obstruction	Large (3 m) grey steel frame
ADCP	48° 48.8290' N	125° 16.7921 W	95 m	Within Chart obstruction	1m plastic orange grated platform
Bottom Pressure Recorder	48° 48.8416' N	125° 16.8593' W	95 m	Within Chart obstruction	Triangular grey steel frame (1 m)
CTD	48° 48.8227' N	125° 16.8434 W	95 m	Within Chart obstruction	3 m yellow steel tripod

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.