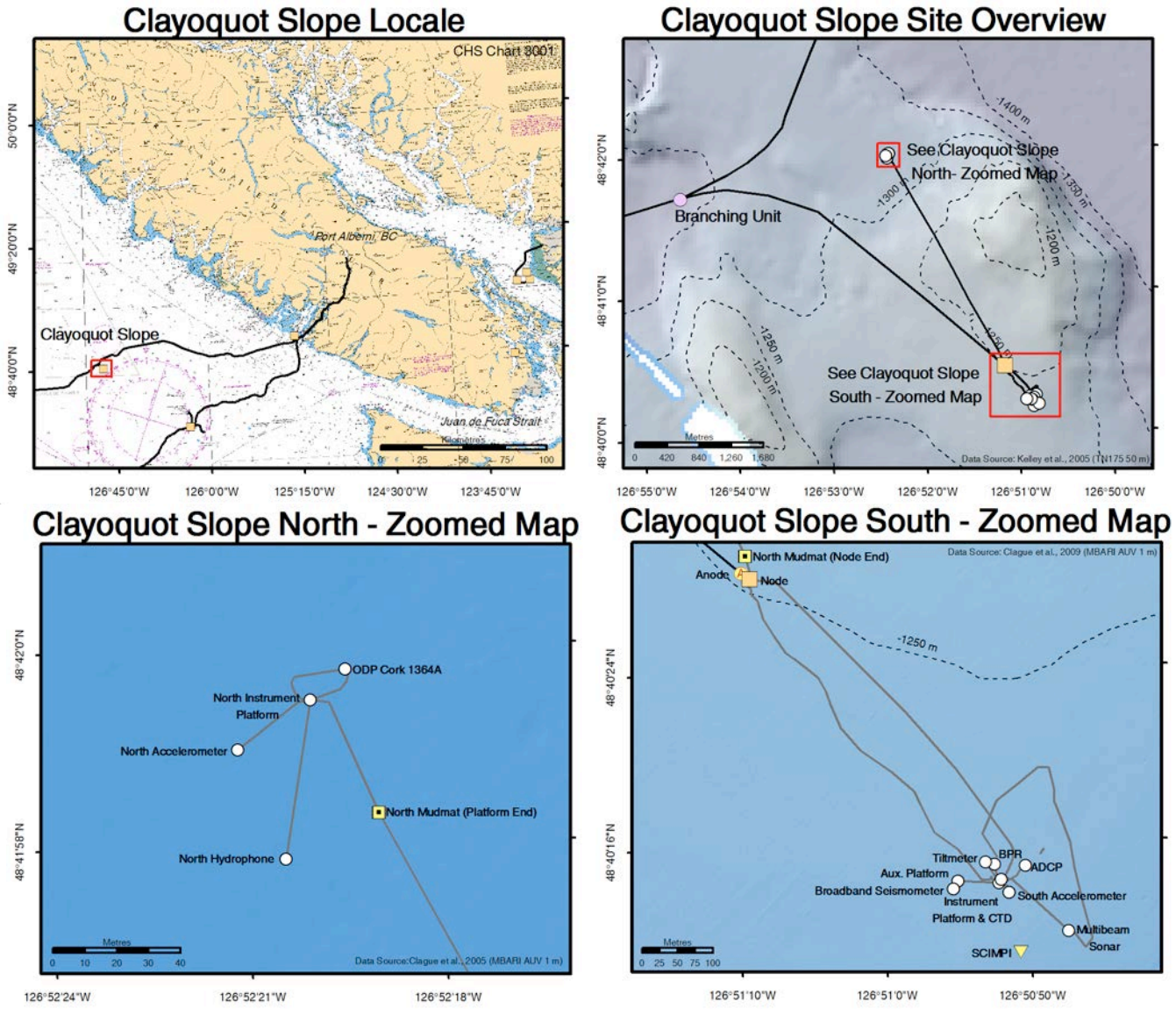
Information for Mariners – July 2018
NEPTUNE Observatory: Clayoquot Slope (Formerly ODP 889)

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 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 at Clayoquot Slope**: 30 July 2018**
Where: Clayoquot Slope, West Coast Vancouver Island. See chart # 3001 (ENC CA270389) for obstructions and cables.



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Name	Latitude	Longitude	Depth	Notes	Description
Node	48° 40.4722' N	126° 51.1506' W	1256 m		Large 7 m yellow trawl resistant frame
Anode	48° 40.4767' N	126° 51.1606' W	1250 m		1 m cylindrical steel can
Branching Unit	48° 41.7062' N	126° 54.5721' W	1367 m		3 m cylindrical steel can
ODP Cork 1364A	48° 41.9962' N	126° 52.3291' W	1329 m		6.5 m Cylindrical steel frame with circular platform
North Hydrophone	48° 41.9644' N	126° 52.3455' W	1315 m		Yellow metal pole rising 3 m from seafloor
North Instrument Platform	48° 41.9912' N	126° 52.3381' W	1315 m		Large (3 m) grey steel frame.
North Accelerometer	48° 41.9831' N	126° 52.3571' W	1318 m		0.5 m Cylindrical frame with glass sphere buried in a green caisson
North Mudmat (Platform End)	48° 41.9718' N	126° 52.3215' W	1310 m		1.5 m yellow rectangular platform
North Mudmat (Node End)	48° 40.4898' N	126° 51.1553' W	1240 m		1.5 m yellow rectangular platform
South Accelerometer	48° 40.2284' N	126° 50.8621' W	1259 m		Buried 1 m circular green caisson
South Current Profilier (ADCP)	48° 40.2489' N	126° 50.8427' W	1257 m		1 cubic meter
South Auxiliary Platform	48° 40.2382' N	126° 50.9206' W	1257 m		1.5 m grey steel frame
South Seismometer	48° 40.2322' N	126° 50.9260' W	1256 m		1 m spherical grey titanium platform
South Bottom Pressure Recorder (BPR)	48° 40.2501' N	126° 50.8779' W	1258 m		1 m triangular steel platform
South CTD	48° 40.2384' N	126° 50.8708' W	1253 m		3 m white tripod
South Instrument Platform	48° 40.2360' N	126° 50.8736' W	1254 m		Large (3 m) grey steel frame
South Tiltmeter	48° 40.2522' N	126° 50.8885' W	1259 m		1 m cylindrical titanium can
South Multi-beam Sonar	48° 40.1983' N	126° 50.7949' W	1262 m		1 m steel tripod with yellow cone
Borehole with Instrument (SCIMPI)	48° 40.1823' N	126° 50.8509' W	1272 m		25 m yellow cable with floats

Cable between Clayoquot North Instrument Platform and the node

Cable Waypoint	Latitude	Longitude	Depth
A1	48° 40.4722' N	126° 51.1506' W	1256 m
A2	48° 42.0067' N	126° 52.3404' W	1317 m

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.