

## Notification to Fishermen

### Nord Stream 2 Project

30.11.2018

#### 1. Purpose of this notification

Nord Stream 2 AG hereby submits a notification for the activities to be performed for the Nord Stream 2 Project in December 2018.

During this period, rock placement and pipelay are planned in the Finnish Exclusive Economic Zone (EEZ). In December, pipelay will also commence in the Swedish EEZ and rock placement activity of short duration (one or two days) may be carried out in Sweden. In addition, stationary hydrophones (as part of the Monitoring program) will be placed on the seabed in Swedish waters.

Nord Stream 2 AG reminds that the construction vessels have limited manoeuvrability while performing their work and that safety exclusion zones are therefore established around the vessels carrying out the Nord Stream 2 activities.

#### 2. Vessel information

##### Planned Vessels

##### Pipelay in Finland:

*Pioneering Spirit – Call sign: 9HA4112*



**Pioneering Spirit Survey support:**

*Fortitude* – Call sign: 9HA4717



**Other supporting vessels to Pioneering Spirit:**

Pipe Carriers:

Solvik Supplier, C6ZW5

Havila Crusader, LCAH3

Symphony Performer, PBRD

Supply Ship:

Havila Fortress; C6NX9

**Pipelay in Finland and Sweden:**

*Solitaire* – Call sign: 9HA4114



**Solitaire Survey support:**

*Oceanic* – Call sign: 9HA4426



**Other supporting vessels to Solitaire:**

Pipe Carriers:

Solvik Supplier, C6ZW5

Havila Crusader, LCAH3

Symphony Performer, PBRD

Supply Ship:

Havila Fortress; C6NX9

Startup vessel (applicable to Sweden only): Union Bear; ORRV

A guard vessel will be deployed for the passage through the Deepwater shipping lane (the guard vessel will be Fairplay 27, call sign V2GS3, or Esvagt Connector OVOK2, or similar).

**Rock placement in Finland (and possibly Sweden):**

*Nordnes* – Call sign: PHOG



### 3. Duration and locations of activities

In December, **rock placement** activities with *Nordnes* will continue in the Finnish jurisdiction. In addition, rock placement activity of short duration may be carried out in Sweden.

**Pipelay** with *Solitaire* will continue in the first half of December in the Finnish EEZ, with pipe supply to be carried out from Kotka and/or Inkoo. The laying direction is from east to west towards Sweden.

*Pioneering Spirit* will replace *Solitaire* in Finland in mid-December, earliest on the 11<sup>th</sup> of December, with pipe supply from Kotka and/or Koverhar. This is when *Solitaire* will be freed to transition to the southern parts of Swedish waters to start the pipelaying activities in that jurisdiction (Longitude 16°35.461435'E, Latitude: 55°42.223925'N). The laying direction will be from south to north towards Finland.

Oceanic or Fortitude, together with the tug vessel Union Bear will perform start up preparation works in the southern part of the Swedish route for 1-2 days in the beginning of December. Oceanic or Fortitude will also perform pre lay survey work along the route some kilometres northwards for another 3-4 days. The pipe supply vessels will shuttle from the pipe logistics bases (Karlshamn and Hanko) to the pipelay vessel.

Please note that these details are subject to change for operational reasons.

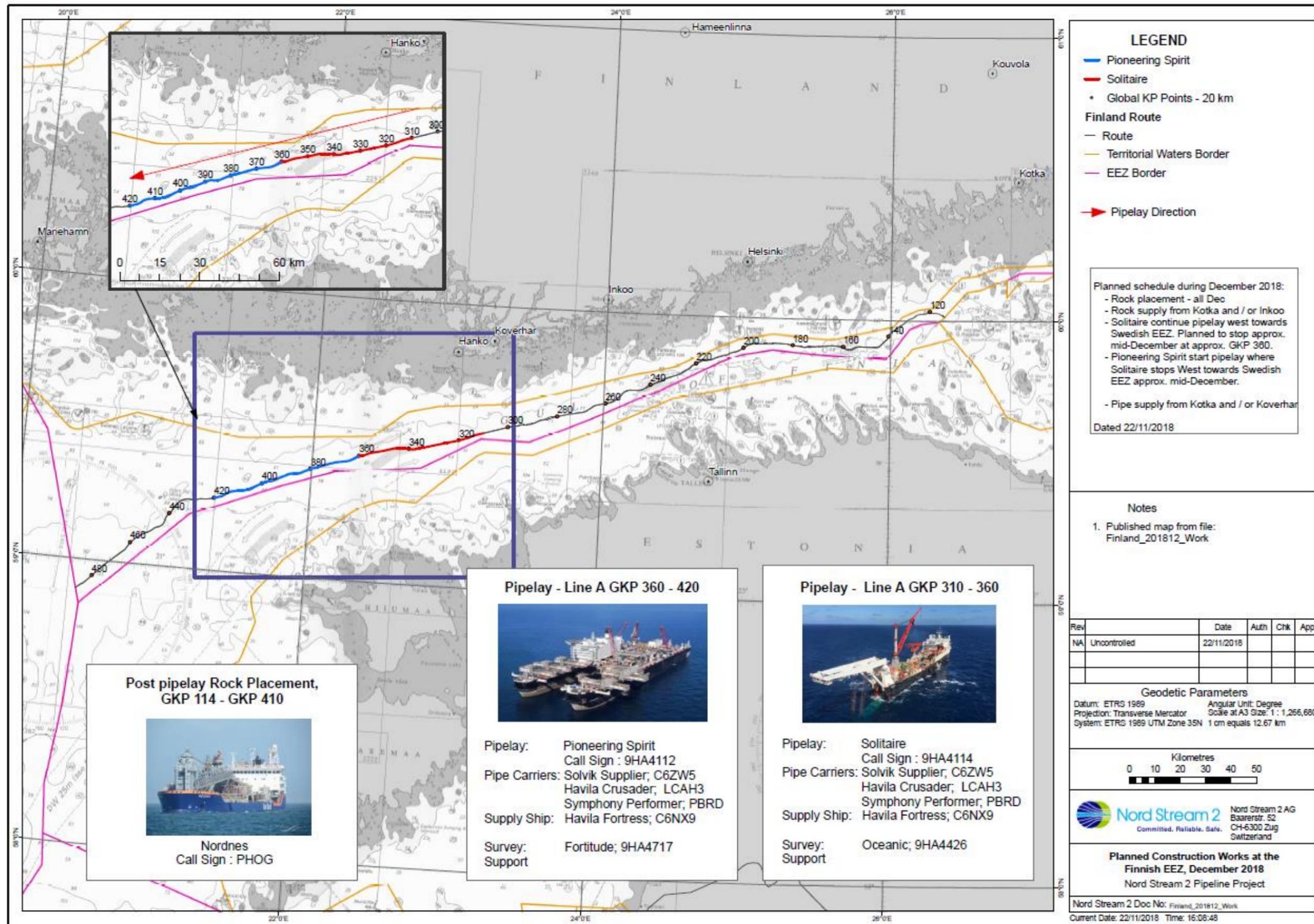


Figure 1: Nord Stream 2 activities in December in the Finnish EEZ

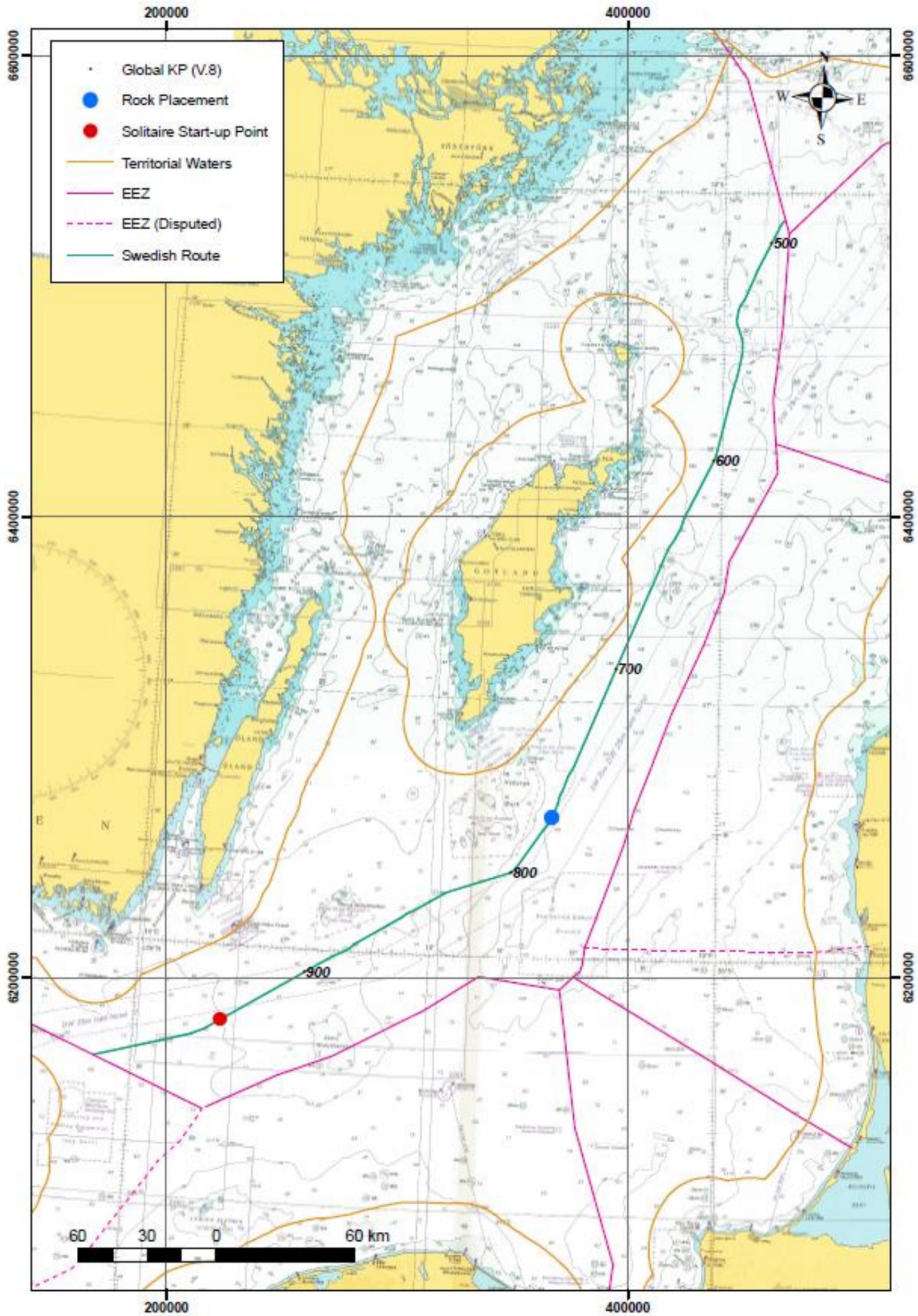
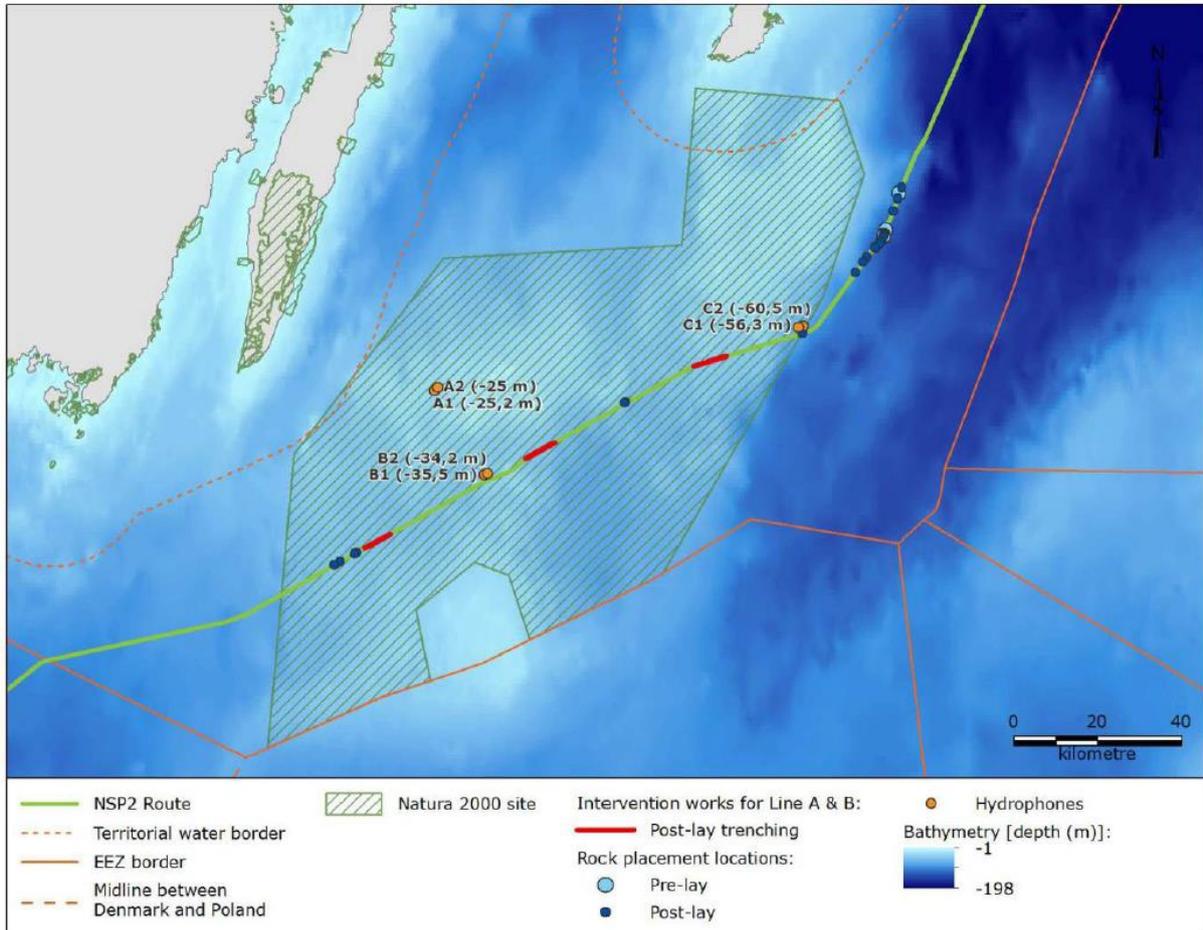


Figure 2: Nord Stream 2 activities in December in the Swedish EEZ

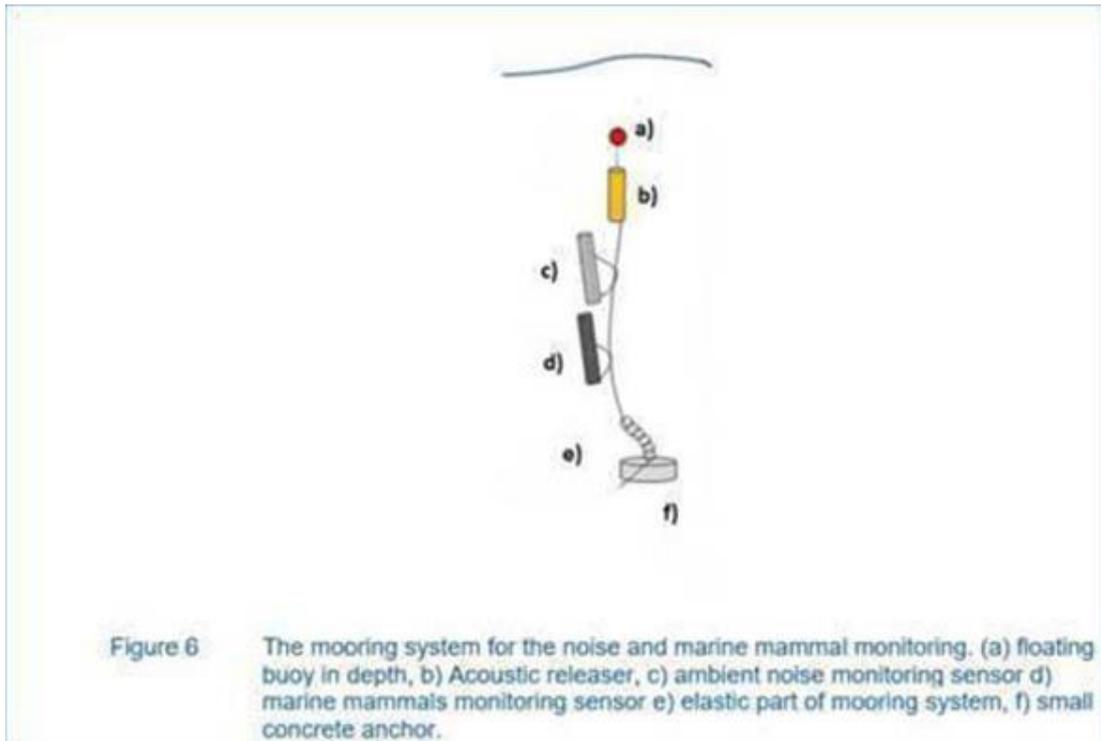
#### 4. Monitoring activities in Swedish waters

Stationary hydrophones to measure underwater noise will be placed on the seabed at a few locations within the Natura 2000 area *Hoburgs bank och Midsjöbankarna* in Swedish waters (see orange circles in the attached map with approximate coordinates below) as of mid-December.



Rig ID	Latitude	Longitude
A1	56 09 954 N	17 08 184 E
A2	56 10 331 N	17 08 979 E
B1	55 98 353 N	17 33 931 E
B2	55 98 757 N	17 35 447 E
B3	55 99 685 N	17 35 129 E
C1	56 32 01 N	18 53 471 E
C2	56 31 684 N	18 51 933 E
C3	56 31 572 N	18 53 565 E

The underwater noise measurements are done due to a direct request from the Swedish authorities as part of Nord Stream 2's obligatory environmental monitoring program. The hydrophone rigs are up to 3 m in height above the seabed and are expected to be in location until May 2019. In order to safeguard the rigs and to avoid the risk of damage to nets and other fishery equipment, fishermen are advised to avoid near-bottom trawling at the below mentioned locations. The image below illustrates how a rig looks like:



## 5. Exclusion Zones

Nord Stream 2 AG would like to highlight that a safety zone of 1 nautical mile is established around the pipelaying vessels *Solitaire* and *Pioneering Spirit*, and 500 meters around the other vessels performing activities for Nord Stream 2 Project.

Information about the works to be performed in the upcoming weeks, can also be found on the Notices to Mariners web-page, available at:

<https://www.liikennevirasto.fi/ammattimerenkulku/merikartat/merikarttojen-paivytyspalvelu/tiedonantoja-merenkulkijoille-vuodesta-2005/2018#.W7HcLiB9jb0><sup>1</sup>

and

<http://www.sjofartsverket.se/sv/Sjofart/Sjokort/Ufs---Underrattelser-for-sjofarande-/Sok-i-databasen11/>

In addition to this information regarding December activities, further notification(s) will follow in due course with regards to Nord Stream 2 construction activities in the coming months.

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<sup>1</sup> If you have issues with accessing this link, please copy and paste it into browser.