

Notification to Fishermen

Nord Stream 2 Project

31.10.2019

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 November 2019.

At the end of November, pipelay with *Solitaire* and *Pioneering Spirit* will be performed in the Swedish Exclusive Economic Zone (EEZ) near the maritime border with Denmark. By the end of November / early December, the vessels are planned to cross into the Danish jurisdiction.

Rock placement activities along the pipeline route are planned in the Swedish and German, and possibly in Finnish and Danish EEZs. Ploughing will continue in November in Swedish waters. In addition, mattress installation is planned in Danish 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. Planned Vessels

Pipelay in Sweden and Denmark

Pioneering Spirit – Call sign: 9HA4112



Solitaire – Call sign: 9HA4114



Survey support and mattress installation vessels

Fortitude – Call sign: 9HA4717



Oceanic – Call sign: 9HA4426



Other supporting vessels to Solitaire and Pioneering Spirit¹

A number of supply vessels will accompany the pipelay vessels during works, such as:

Symphony Provider, MCES9

Standard Princess, MAQY2

Felicity, LNMG3

Alegria, LAFU8

Bourbon Topaz, C6CH2

Standard Supplier, MBF16

Far Solitaire, LDYF

Havila Fortress, C6NX9

These are examples, as the fleet will be confirmed closer to the start of operations in end November.

Rock placement along the pipeline route in Sweden, Germany and (potentially) Finland and Denmark

Bravenes – Call sign: PDCF

¹ Please note that the fleet is subject to change for operational reasons.



Rockpiper – Call sign: 5BML3



Ploughing in Sweden

Havila Phoenix – Call sign: C6BD2



Tow Vessel *Normand Prosper* – Call sign: LDRH



3. Duration and locations of activities

In November, **rock placement** activities will be carried out with *Rockpiper* in Sweden and Germany, and potentially with *Bravenes* in the Finnish EEZ at various locations along the Nord Stream 2 route. In addition, rock placement activities may be carried out in Denmark in end November / early December. Rock is planned to be transported from Kotka (and potentially Inkoo) in Finland.

Pipelay with *Solitaire* and *Pioneering Spirit* will continue in the Swedish EEZ in late November close to the maritime border with Denmark. The two vessels are planned to cross into the Danish EEZ by the end of November or in early December. The pipe supply vessels will shuttle to the pipelaying vessels from the pipe logistics base in Mukran, Germany.

Havila Phoenix will proceed with the ploughing in Swedish waters.

Oceanic or *Fortitude* will carry out mattress installation in the Danish jurisdiction.

The maps below illustrate the planned November activities. Please note that these details are subject to change for operational reasons.

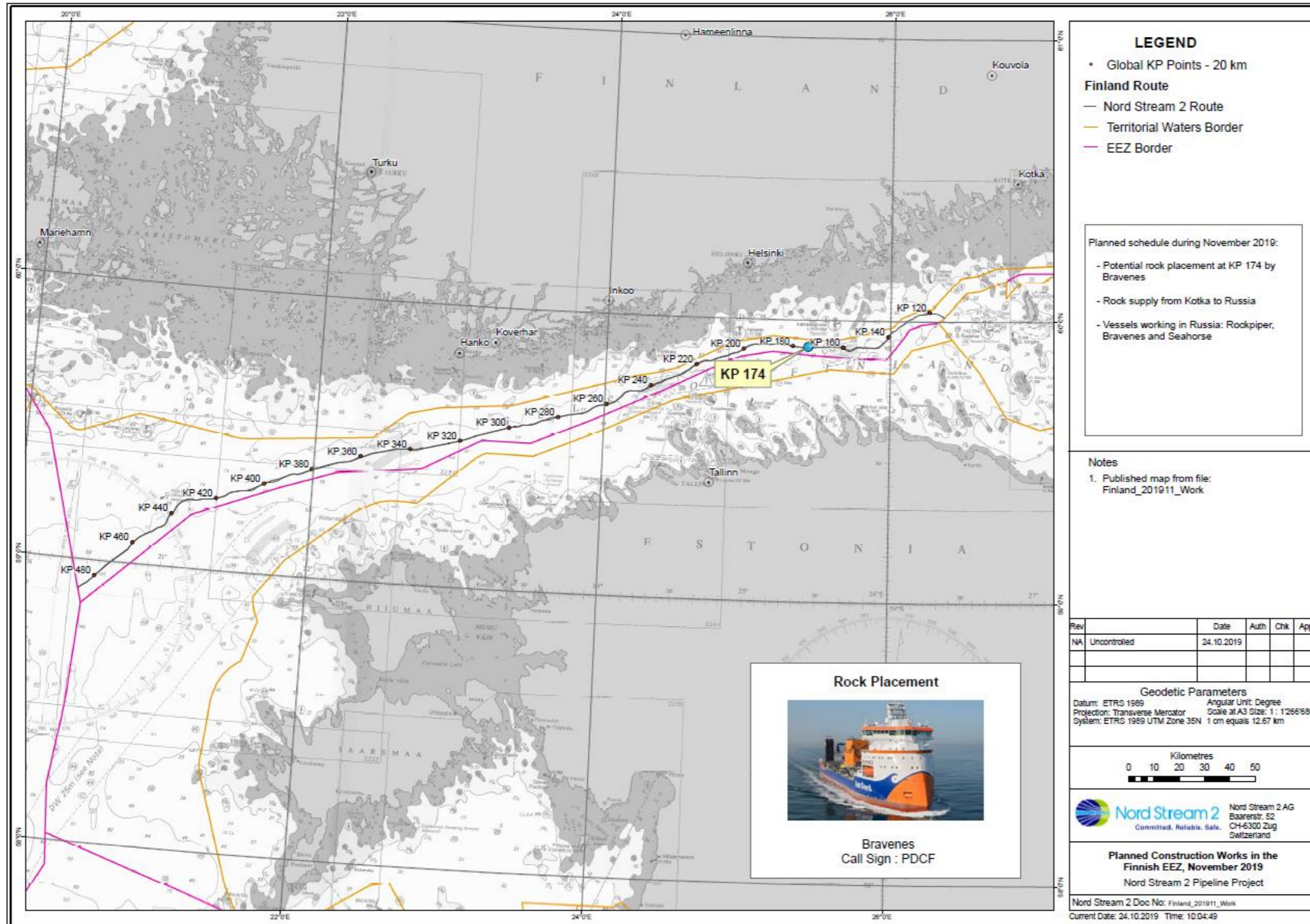


Figure 1: Nord Stream 2 construction activities in November in the Finnish EEZ

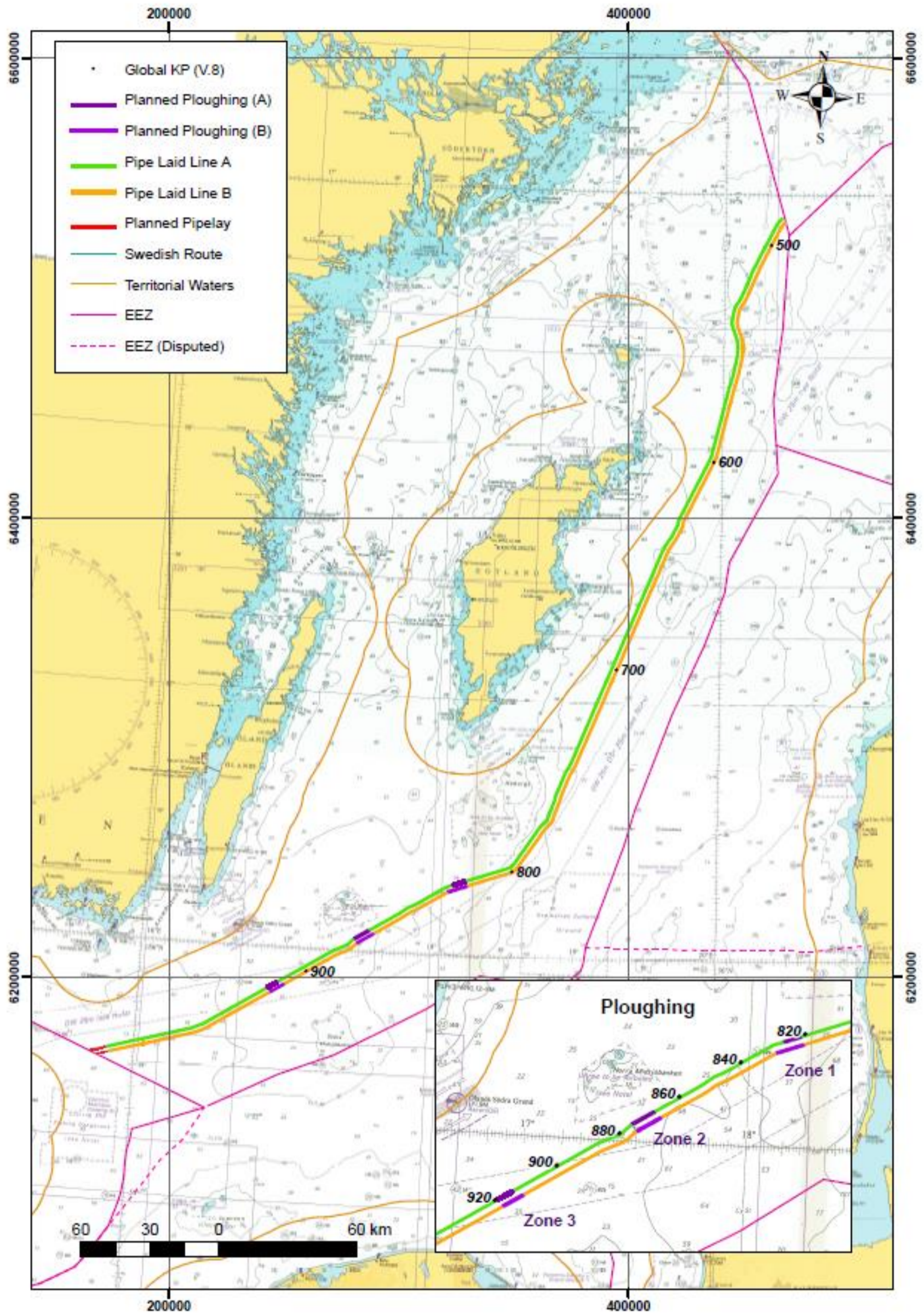


Figure 2: Nord Stream 2 construction activities in November in the Swedish EEZ

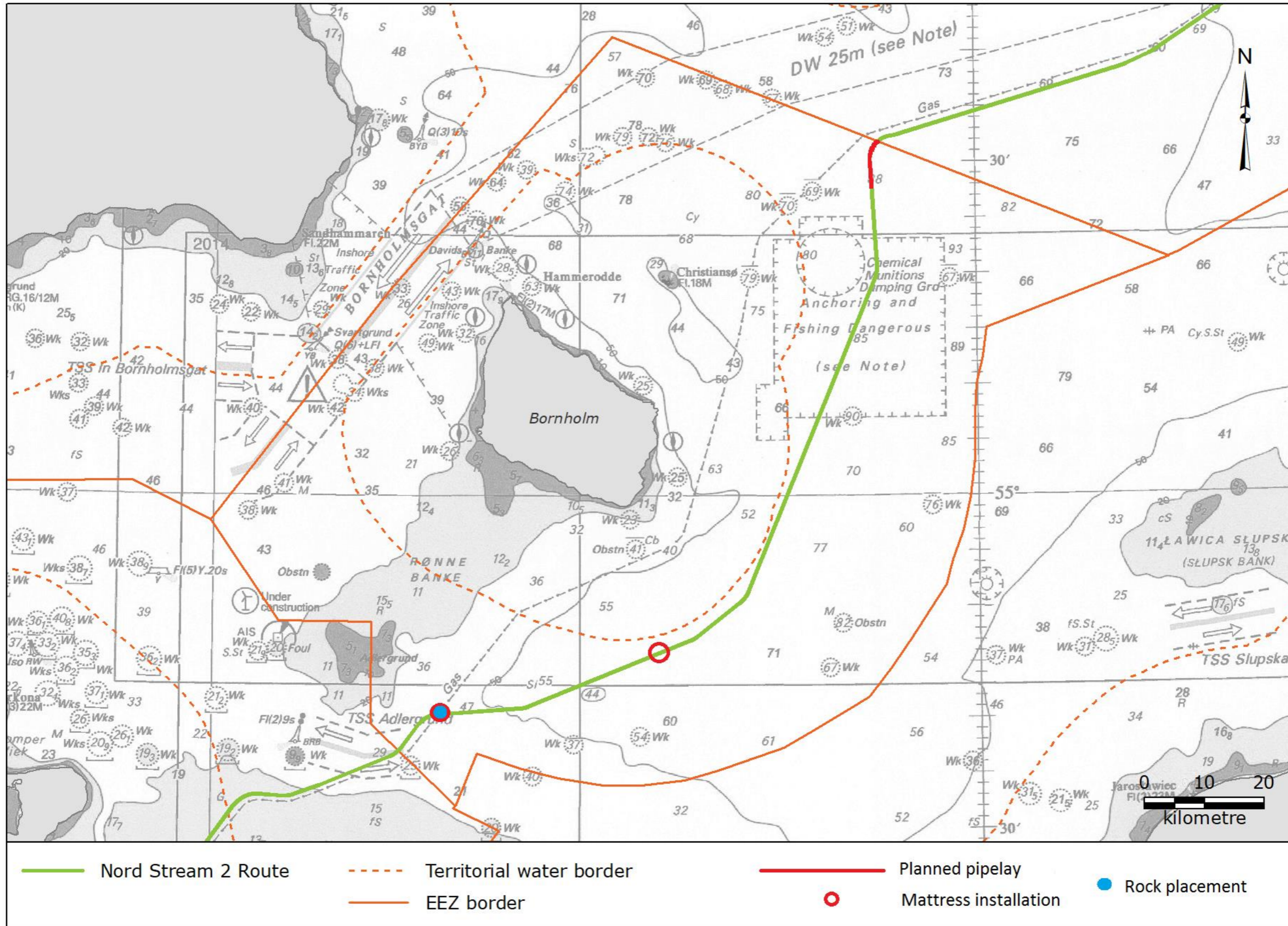


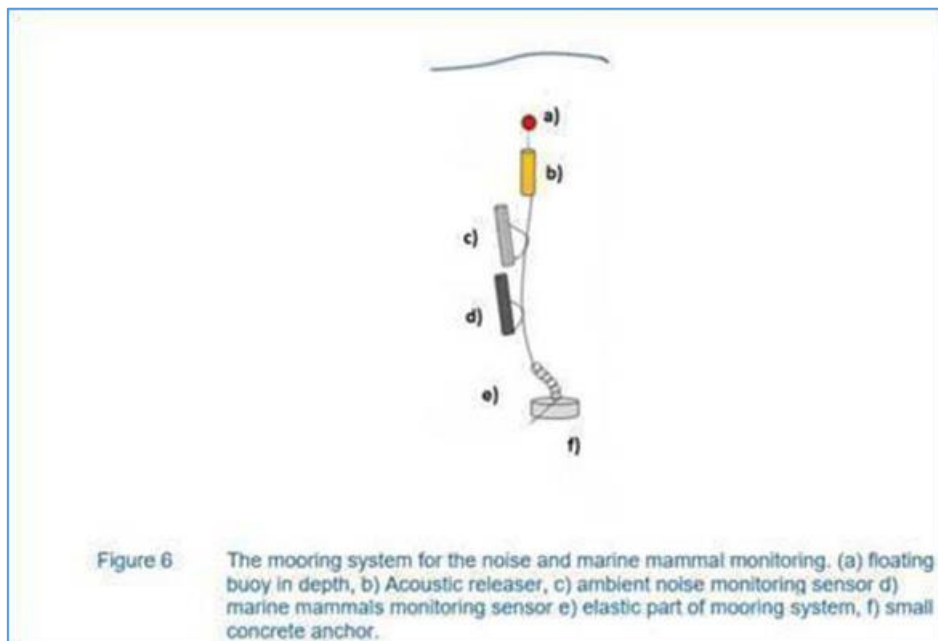
Figure 3: Nord Stream 2 construction activities in November in the Danish EEZ.

4. Monitoring activities in Swedish waters

Stationary hydrophones to measure underwater noise have been placed on the seabed at a few locations within the Natura 2000 area *Hoburgs bank och Midsjöbankarna*:

Rig ID	Latitude	Longitude
A1	56.1659	17.1364
A2	56.1722	17.1497
B1	55.9785	17.3412
B2	55.9836	17.3559
B3	55.9916	17.3531
D1	56.2860	18.3126
D2	56.2869	18.3173
D3	56.2812	18.3176

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 measure noise until mid-November 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 these 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*, half a nautical mile around the ploughing vessels 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-pages, available at:

<https://vayla.fi/ammattimerenkulku/merikartat/merikarttojen-paivityspalvelu#.XMhhBGyP7Nw>²

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

<https://www.soefartsstyrelsen.dk/SikkerhedTilSoes/Sejladsinformation/Advarsler>

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

² If you have issues with accessing this link, please copy and paste it into browser.