

## Notification to Fishermen

### Nord Stream 2 Project

29.11.2019

#### 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 December 2019.

On November 27<sup>th</sup>, pipelay with *Pioneering Spirit* resumed in the Swedish Exclusive Economic Zone (EEZ) near the maritime border with Denmark. By the end of November, the vessel has transitioned into the Danish jurisdiction where the pipelay will carry on throughout December. On November 28<sup>th</sup>, *Solitaire* restarted her activities in the Swedish EEZ, close to the Danish border, and she is planned to cross into the Danish waters shortly after.

In December, rock placement activities along the pipeline route and mattress installation are planned in the Danish EEZ. Ploughing will continue 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. 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 Spirit<sup>1</sup>**

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

*Standard Princess*, MAQY2

*Standard Supplier*, MBFI6

*Bourbon Topaz*, C6CH2

*Havila Crusader*, LCAH3

*Solvik Supplier*, C6ZW5

*Bourbon Sapphire*, LFJY

*Sea Spear*, 5BYB3

*Normand Springer*, LAFT8

*Normand Flipper*, 9V6929

*Sartor*, 3ESV4

*Havila Fortress*, LAJD8

*Felicity*, LNMG3

*Alegria*, LAFU8

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<sup>1</sup> Please note that the fleet is subject to change for operational reasons.



*Evita II, 5BYZ4*

*Evita, CQBA*

**Rock placement along the pipeline route in Denmark**

*Rockpiper – Call sign: 5BML3*



*Nordnes – Call sign: PHOG*



*Flintstone – Call sign: PBZD*



**Ploughing in Sweden**

*Havila Phoenix – Call sign: C6BD2*





Tow Vessel *Normand Ranger* – Call sign: LAMT



### 3. Duration and locations of activities

On November 27th, **pipelay** with *Pioneering Spirit* resumed in the Swedish Exclusive Economic Zone (EEZ) near the maritime border with Denmark. By the end of November, the vessel has transitioned into the Danish jurisdiction where the pipelay will carry on throughout December. On November 28<sup>th</sup>, *Solitaire* restarted her activities in the Swedish EEZ, close to the Danish border, and she is planned to cross into the Danish waters shortly after. The pipe supply vessels will shuttle to the pipelaying vessels from the pipe logistics base in Mukran, Germany.

It is forecasted that the lay of both of the Nord Stream 2 pipelines in the Danish EEZ will be finalised during December. It is worth highlighting that linear infrastructure, such as offshore pipelines or cables, automatically receive a 200m protection zone in Danish waters along each side of the line (*Order no. 939 of 27 November 1992 on the Protection of Submarine Cables and Submarine Pipelines*). This means that certain activities, for example, bottom trawling, are to be avoided. NSP2 will apply for an exemption from this rule during operation of the pipelines to allow fishing activities.

In addition, it is worth noting that the following locations may be in free span for several weeks after the completion of the pipelay:



## Area with potential freespan - Corners Coordinates

| Point | ETRS89 - UTM33N |           | WGS84            |                  |
|-------|-----------------|-----------|------------------|------------------|
|       | Easting         | Northing  | Longitude        | Latitude         |
| 1     | 473799.7        | 6058413.8 | 14° 35.623275' E | 54° 40.344323' N |
| 2     | 473791.3        | 6058567.6 | 14° 35.614586' E | 54° 40.427219' N |
| 3     | 473292.6        | 6058532.1 | 14° 35.150807' E | 54° 40.406530' N |
| 4     | 473303.5        | 6058378.5 | 14° 35.161849' E | 54° 40.323738' N |

In December, **rock placement** activities will be carried out with *Rockpiper*, *Nordnes* and *Flintstone* in Denmark. Rock is planned to be transported from Inkoo in Finland. In addition, *Bravenes* (call sign: PDCF) and *Seahorse* (call sign: PCAP) will shuttle between the harbour in Kotka and the Russian EEZ to perform rock placement in Russian waters.

*Havila Phoenix* and the tow vessel *Normand Ranger* will proceed with the **ploughing** in Swedish waters.

*Oceanic* will carry out **mattress installation** in the Danish jurisdiction in early December.

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



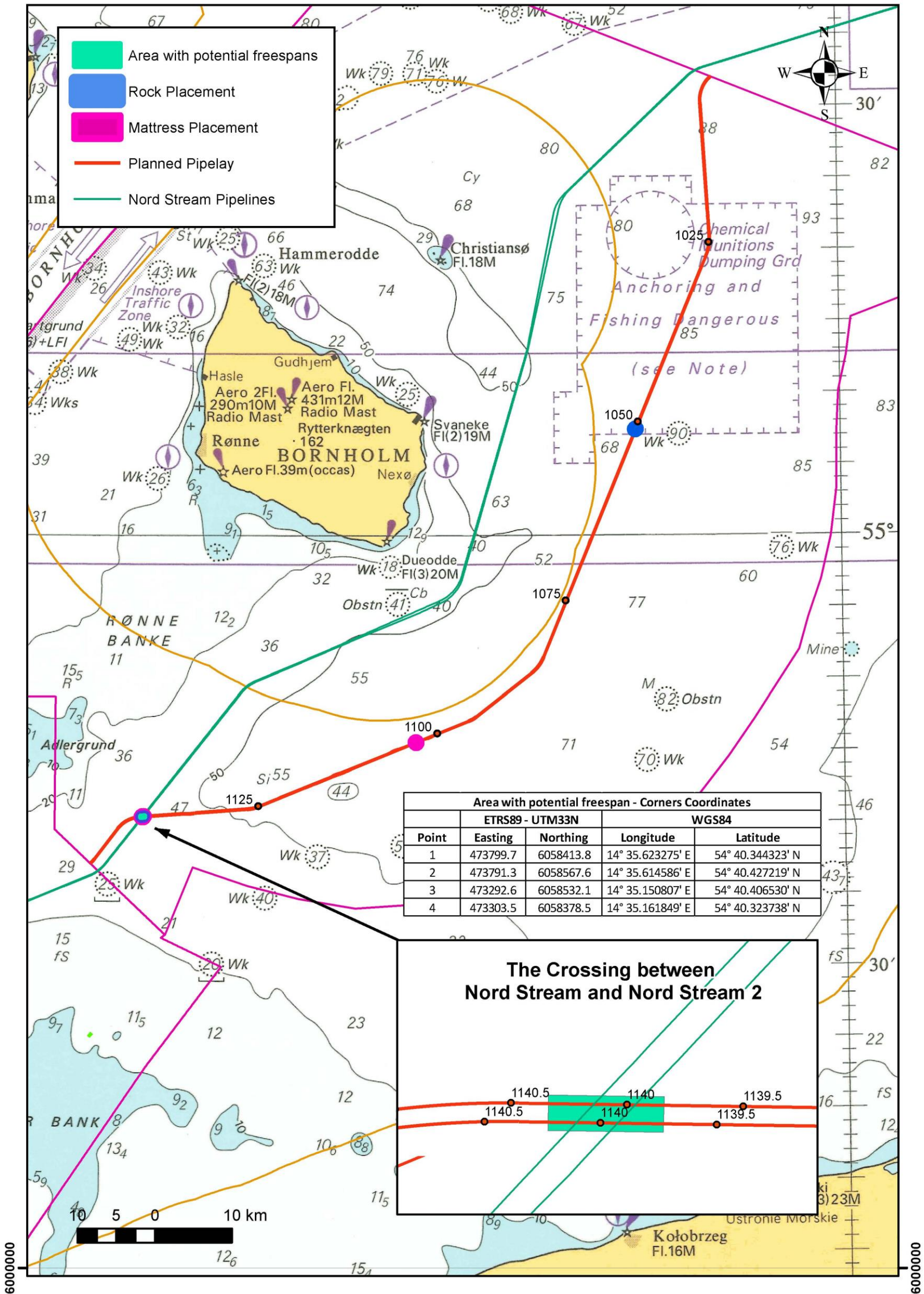


Figure 1: Nord Stream 2 construction activities in December in the Danish EEZ. The area with potential freespan is detailed in the box in the right bottom corner, with geographic coordinates also provided.



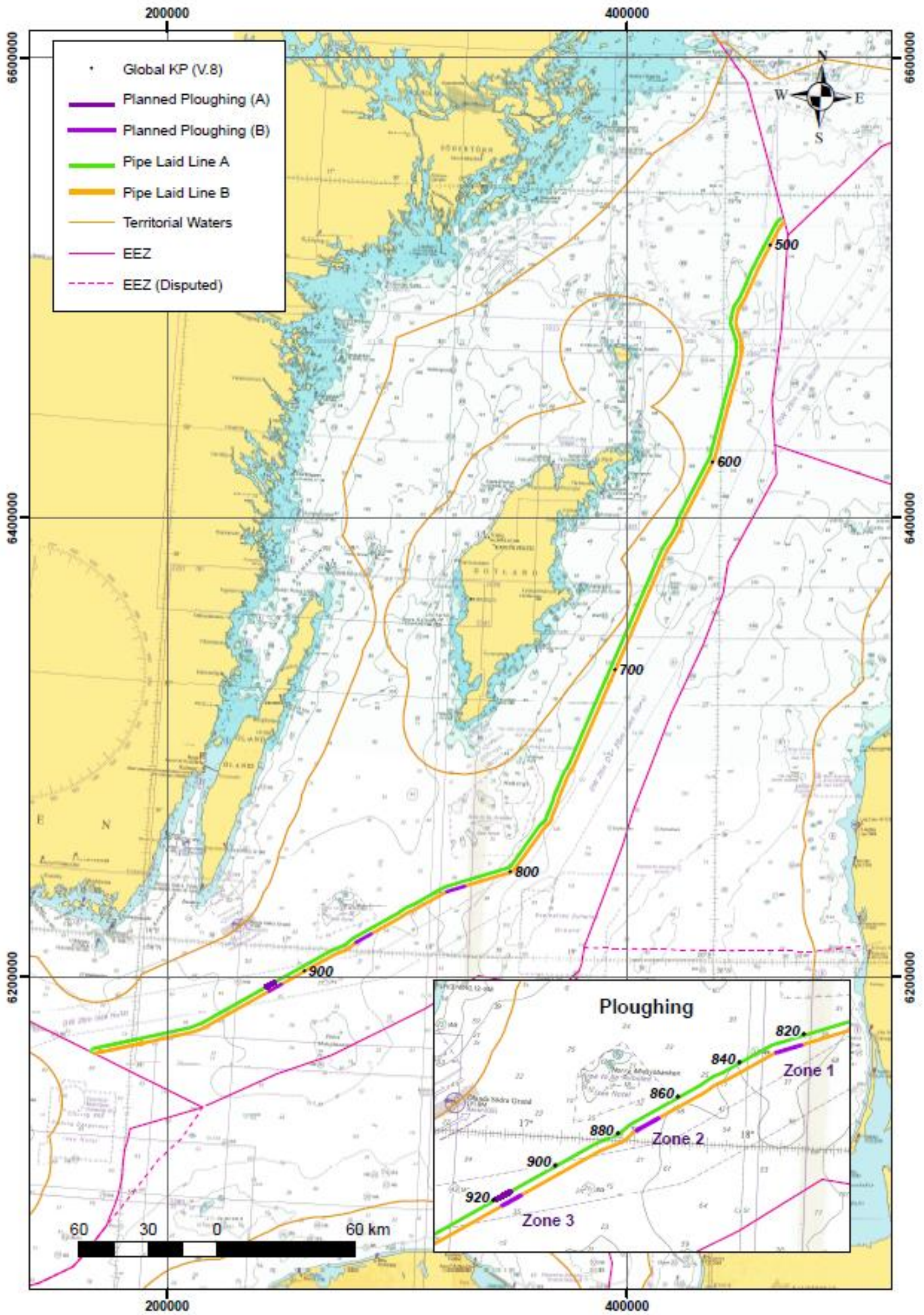


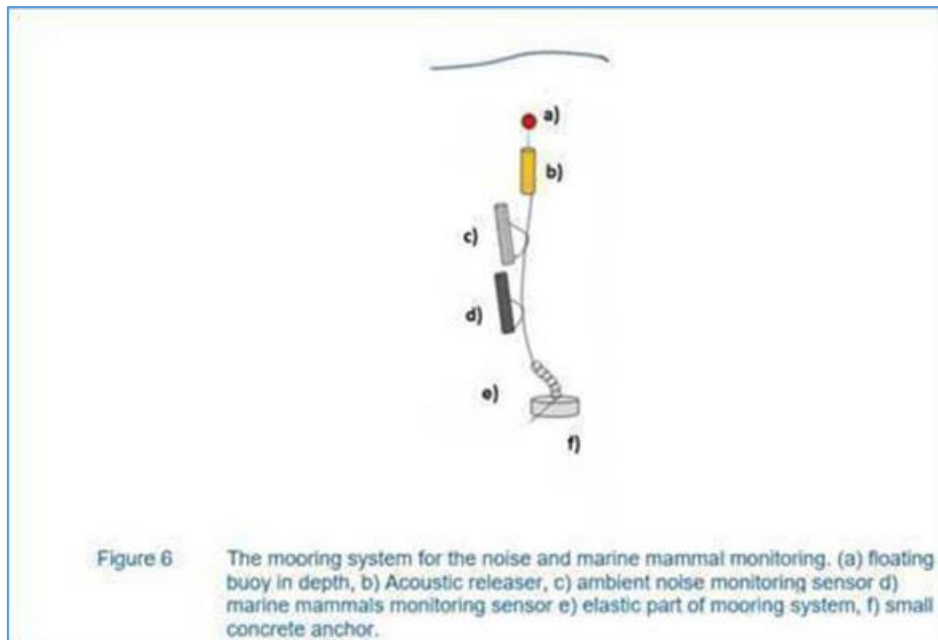
Figure 2: Nord Stream 2 construction activities in December in the Swedish EEZ

#### 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. They are expected to be recovered in early December 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 vessels performing mattress installation and rock placement activities for Nord Stream 2 Project.

In addition, it is worth highlighting that linear infrastructure, such as offshore pipelines or cables, automatically receive a 200m protection zone in Danish waters along each side of the line (*Order no. 939 of 27 November 1992 on the Protection of Submarine Cables and Submarine Pipelines*). This means that certain activities, for example, bottom trawling, are not allowed. NSP2 will apply for an exemption from this rule during operation of the pipeline to allow fishing activities.

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><sup>2</sup>

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