

Notification to Fishermen

Nord Stream 2 Project

30.09.2019

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 October 2019.

During this period, pipelay with *Solitaire* will continue in the Swedish EEZ in a southerly direction. Rock placement activities along the pipeline route are planned in the Finnish EEZ. A boulder removal campaign is planned in three areas in the Swedish EEZ. Depending on the progress with the boulder removal, ploughing activity can start in end October (otherwise planned for November).

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

Solitaire – Call sign: 9HA4114



Solitaire Survey support

Fortitude – Call sign: 9HA4717



Other supporting vessels to Solitaire¹

Supply vessels:

Symphony Provider, MCES9

Standard Princess, MAQY2

Felicity, LNMG3

Alegria, LAFU8

Bourbon Topaz, C6CH2

Standard Supplier, MBF16

Far Solitaire, LDYF

Havilla Fortress, C6NX9

Intervention tug / guard vessel:

THOR, 5BQL4

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

Rock placement along the route in Finland

Seahorse – Call sign: PCAP



Boulder clearance and ploughing in Sweden

Havila Phoenix – Call sign: C6BD2



Tow Vessel Normand Prosper – Call sign: LDRH



3. Duration and locations of activities

In October, **rock placement** activities will be carried out with *Seahorse* in the Finnish EEZ at various locations along the Nord Stream 2 route. Rock transport will be carried out from Kotka (and potentially Inkoo).

Pipelay with *Solitaire* will continue in the Swedish EEZ in southerly direction. The pipe supply vessels will shuttle to the pipelaying vessel from the pipe logistics base in Mukran, Germany.

In addition, *Havila Phoenix* will perform a boulder removal campaign in three areas in the Swedish EEZ. Depending of the progress with the boulder removal, ploughing activity can start in end October (otherwise planned for November).

There will be three pipe shipments tentatively between 15th and 31st October 2019 from Kotka to Mukran in Germany. One of the vessels – *MV Sardius*, *MV Diamant*, *MV Klaverbank* or *MV Andre W* – will be used.

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

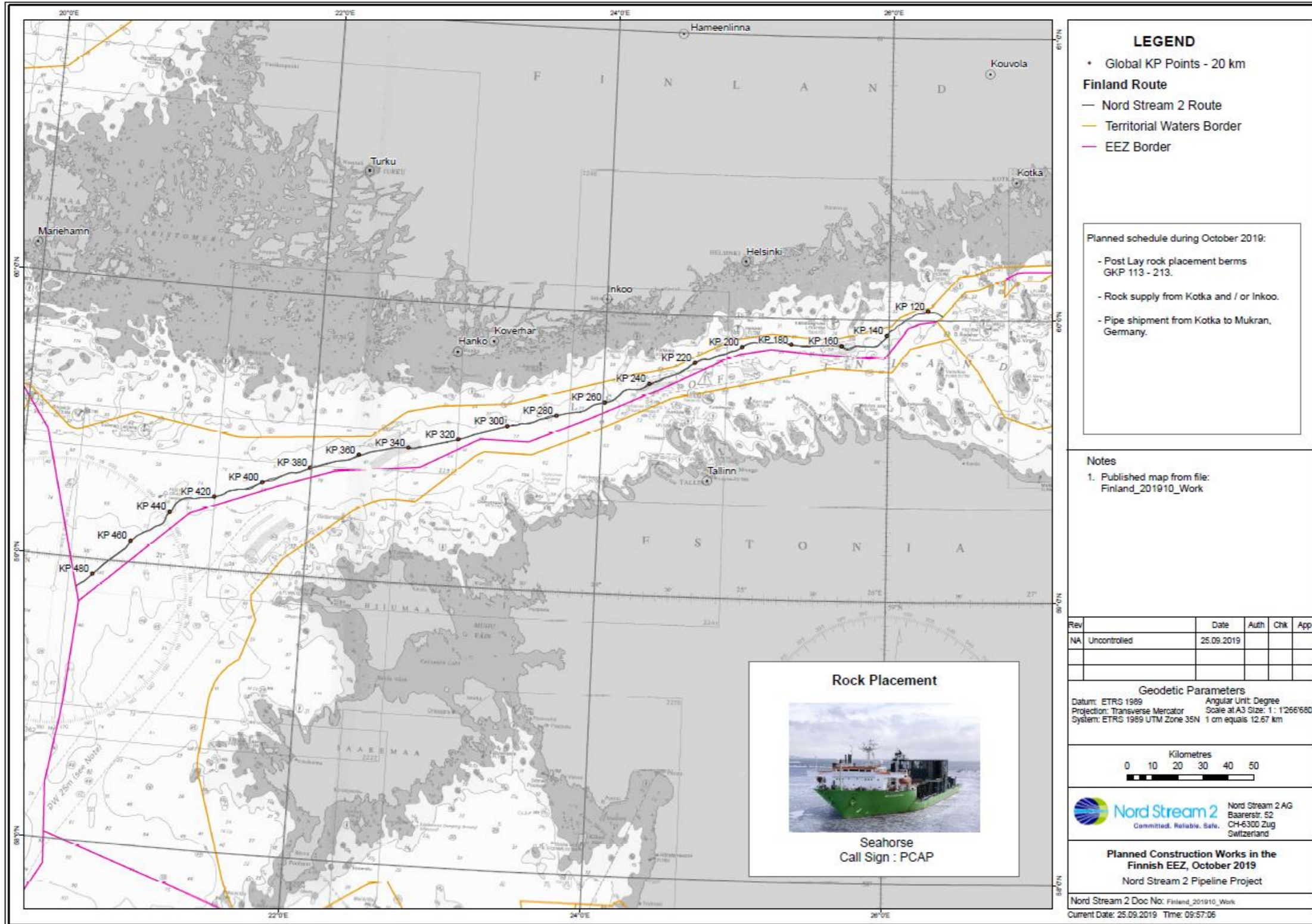


Figure 1: Nord Stream 2 construction activities in October in the Finnish EEZ

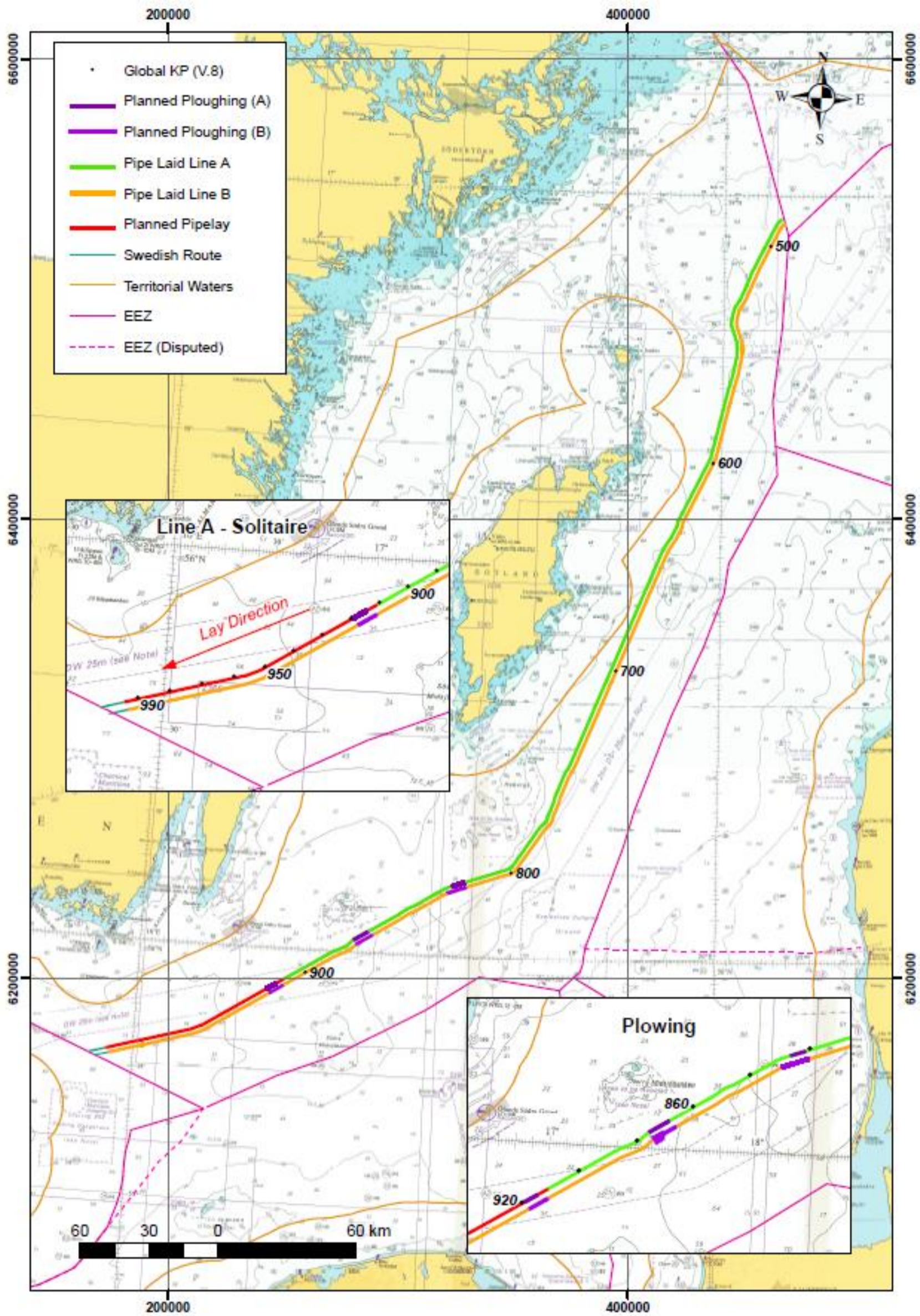


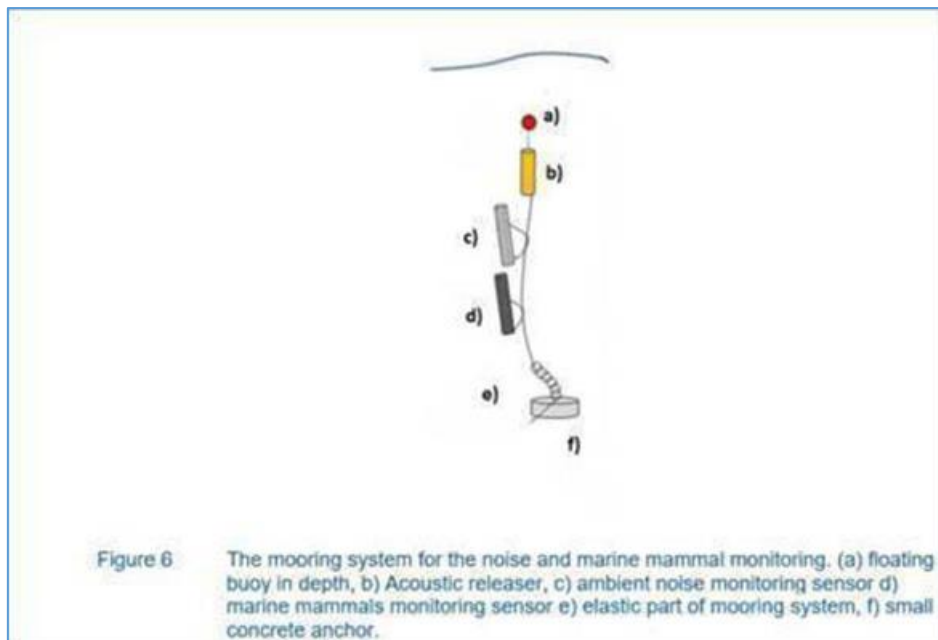
Figure 2: Nord Stream 2 construction activities in October in the Swedish EEZ

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 and are expected to measure noise until early 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 vessel *Solitaire*, 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-page, available at:

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

and

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

In addition to this information regarding October 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.