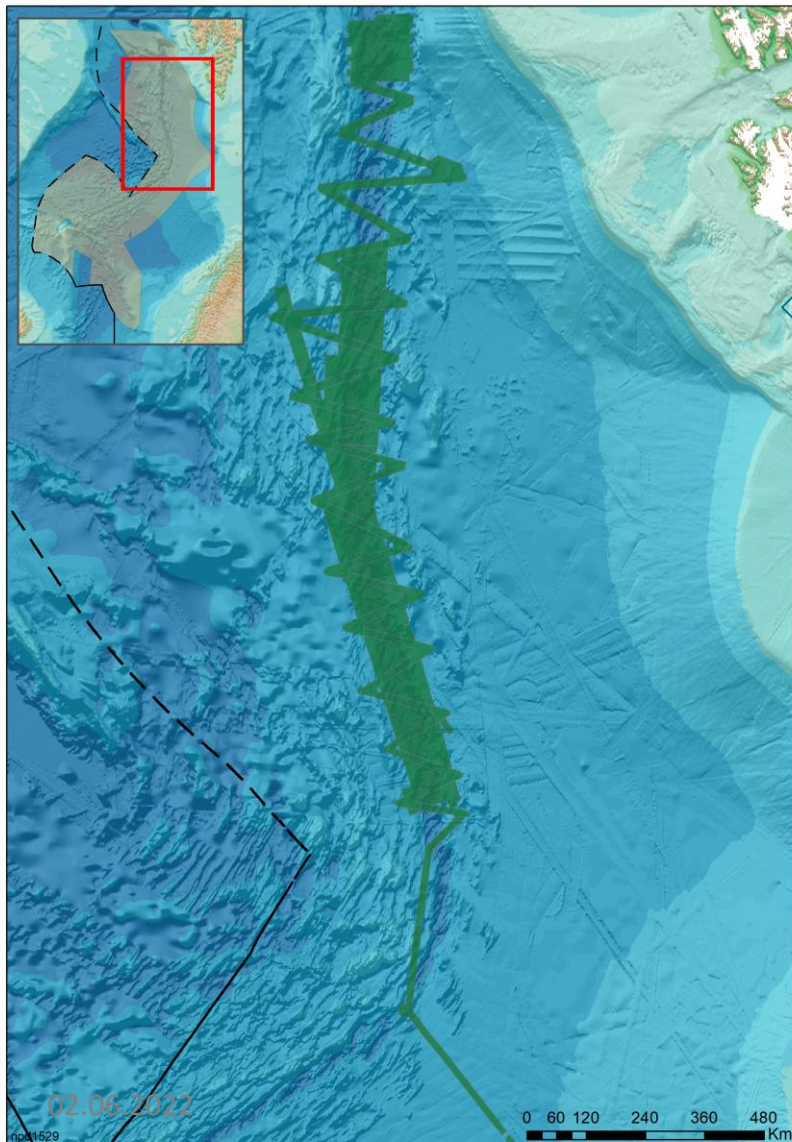


Knipovitsjryggen

Sissel Eriksen, Oljedirektoratet, 2.juni2022

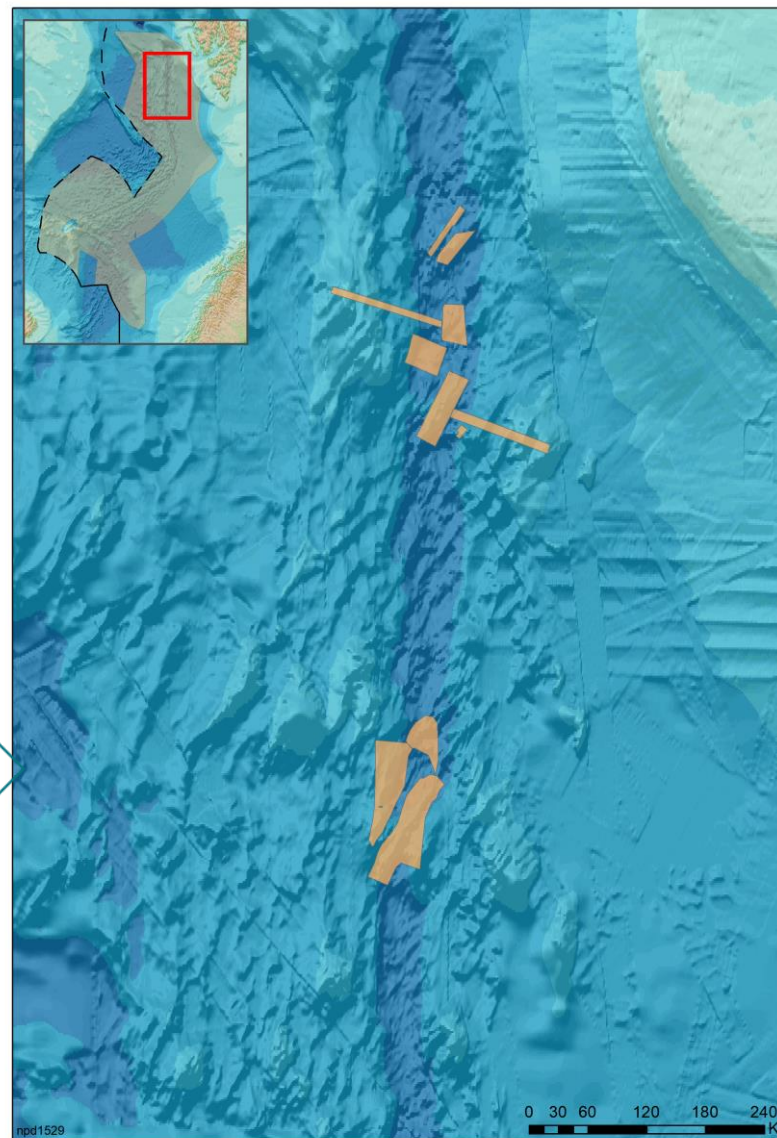
Datadekning Knipovitsjryggen



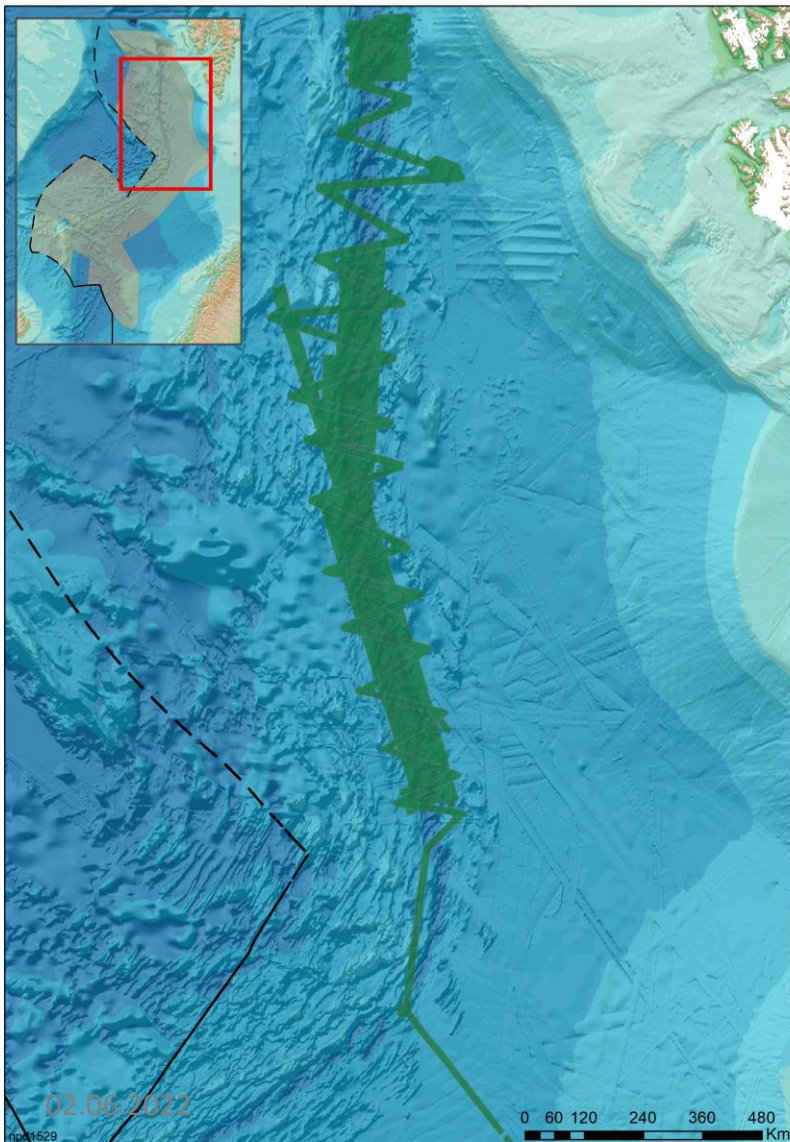
Samarbeidstokt OD
og UiT 2020 og 2021

Oljedirektoratet
2021

Knipovitsjryggen



Datadekning Knipovitsjryggen



Samarbeidstokt OD og UiT 2020 og 2021

Akustiske data	Antall prøver - sulfider
2020 - 7400km ² MBES	
2021 - 6000 km ² MBES	



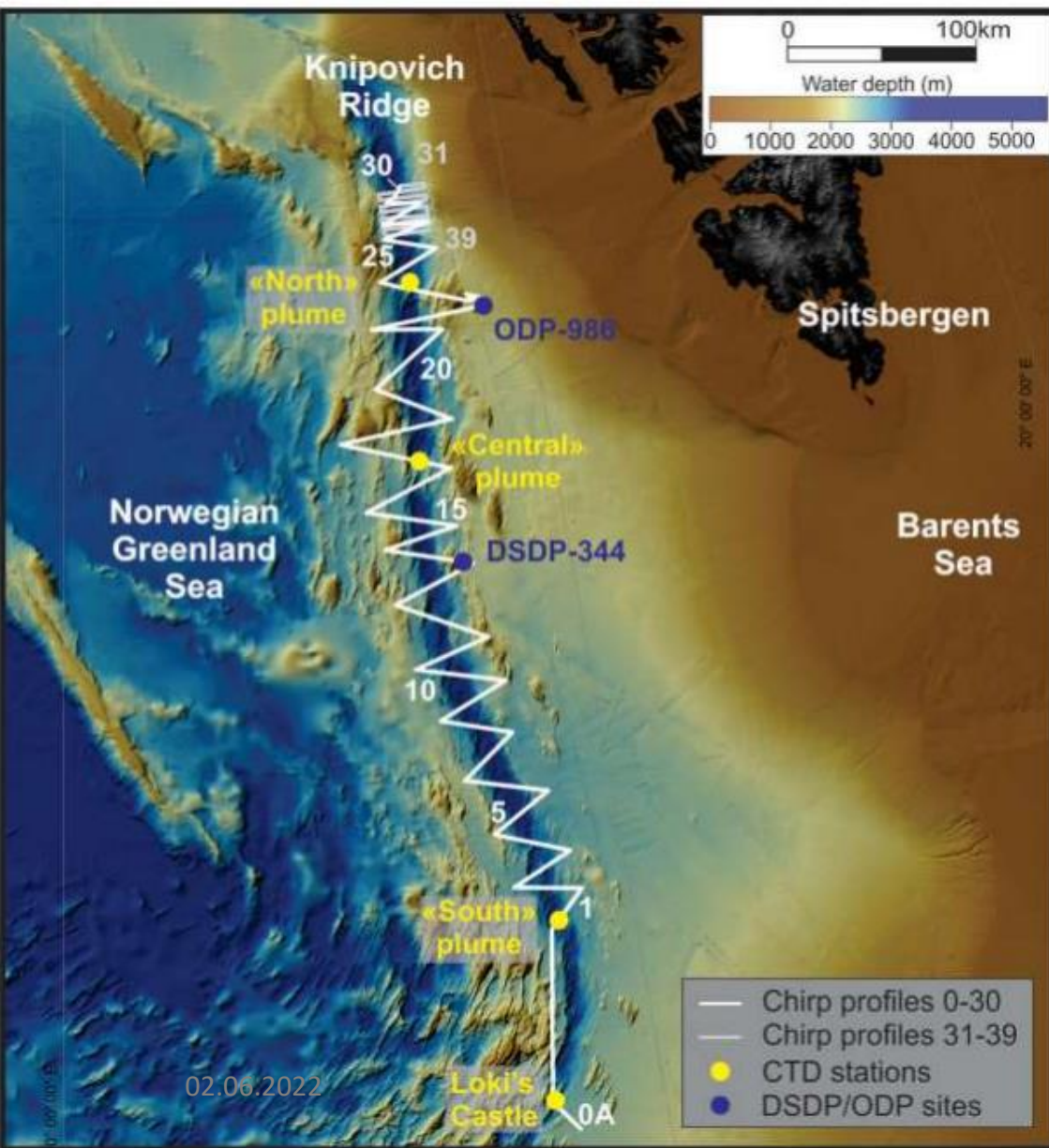
Kp Haakon (Foto Havforskningsinstituttet)



Helmer Hanssen (Foto UiT)

Knipovitsjryggen

Samarbeidsprosjekt OD og UiT

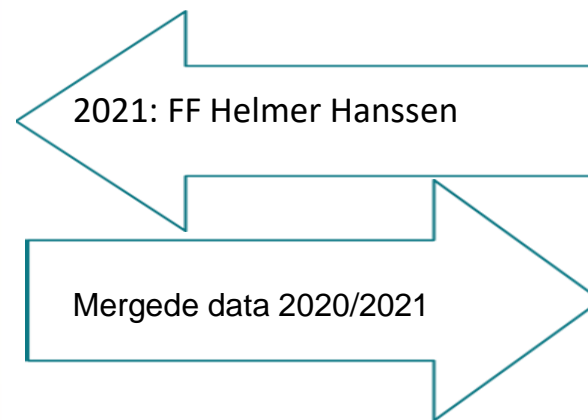


2021: FF Helmer Hanssen,

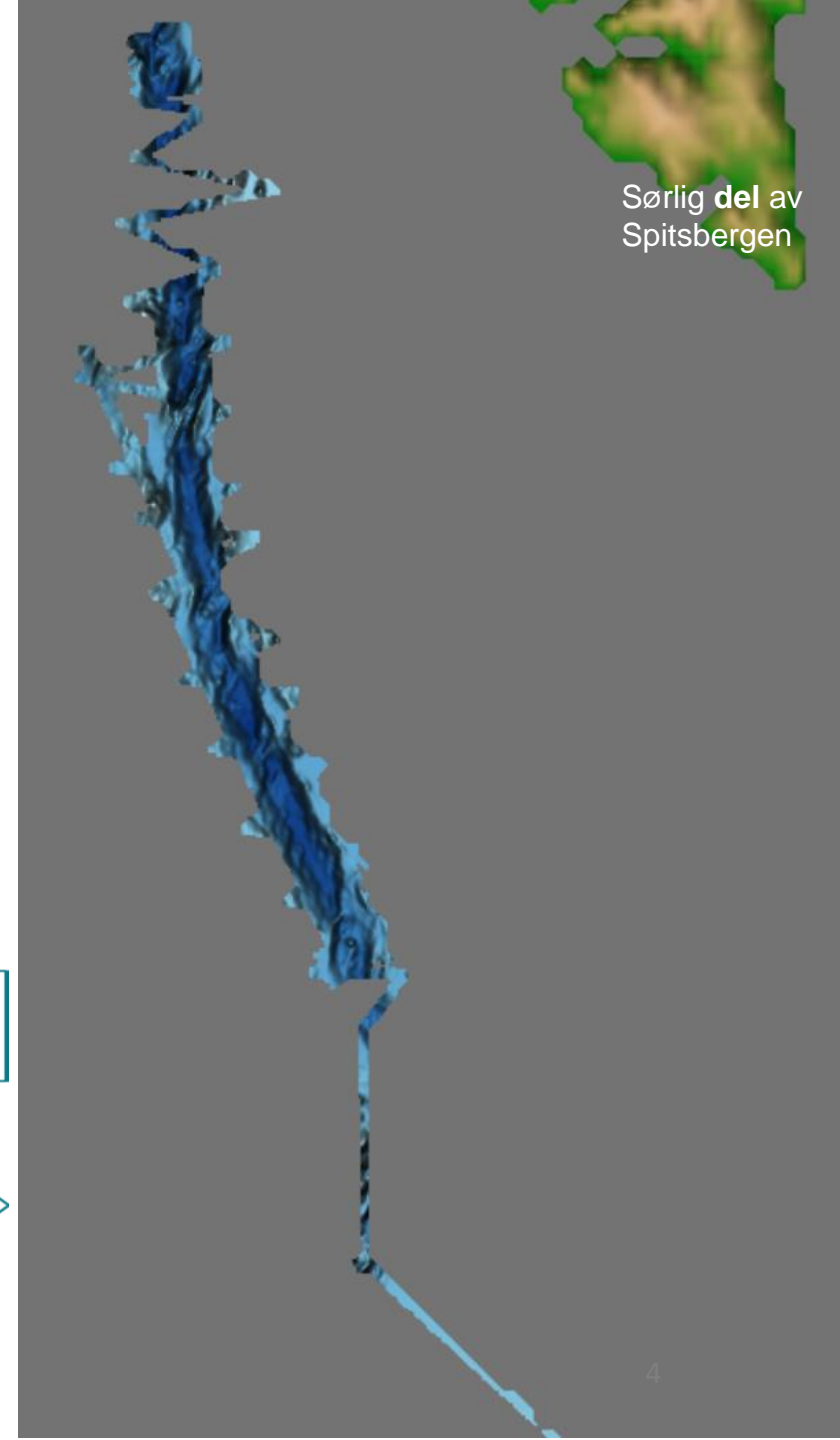
- Multistråle ekkoloddata, MBES og backscatter

2020: FF Kronprins Håkon

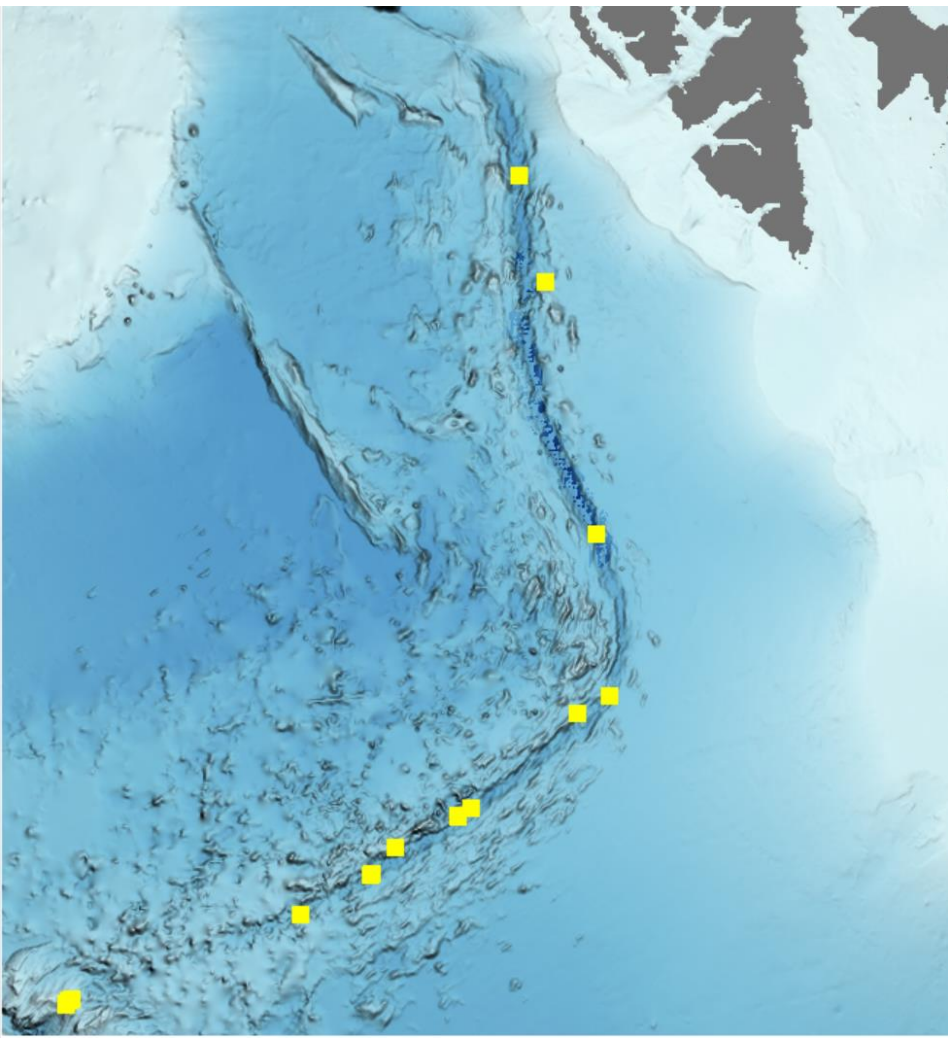
- Multistråle ekkoloddata, MBES og backscatter



Knipovitsjryggen



Planlegging av ODs egenopererte tokt 2021

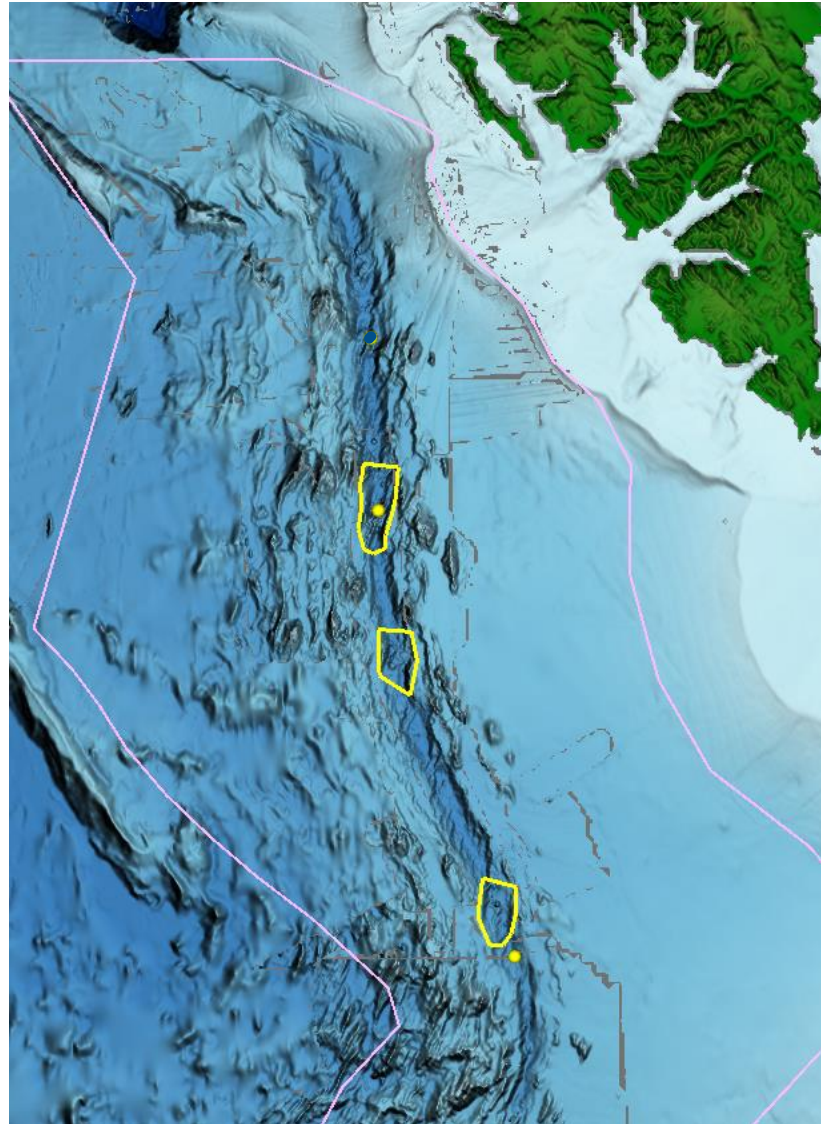


02.06.2022

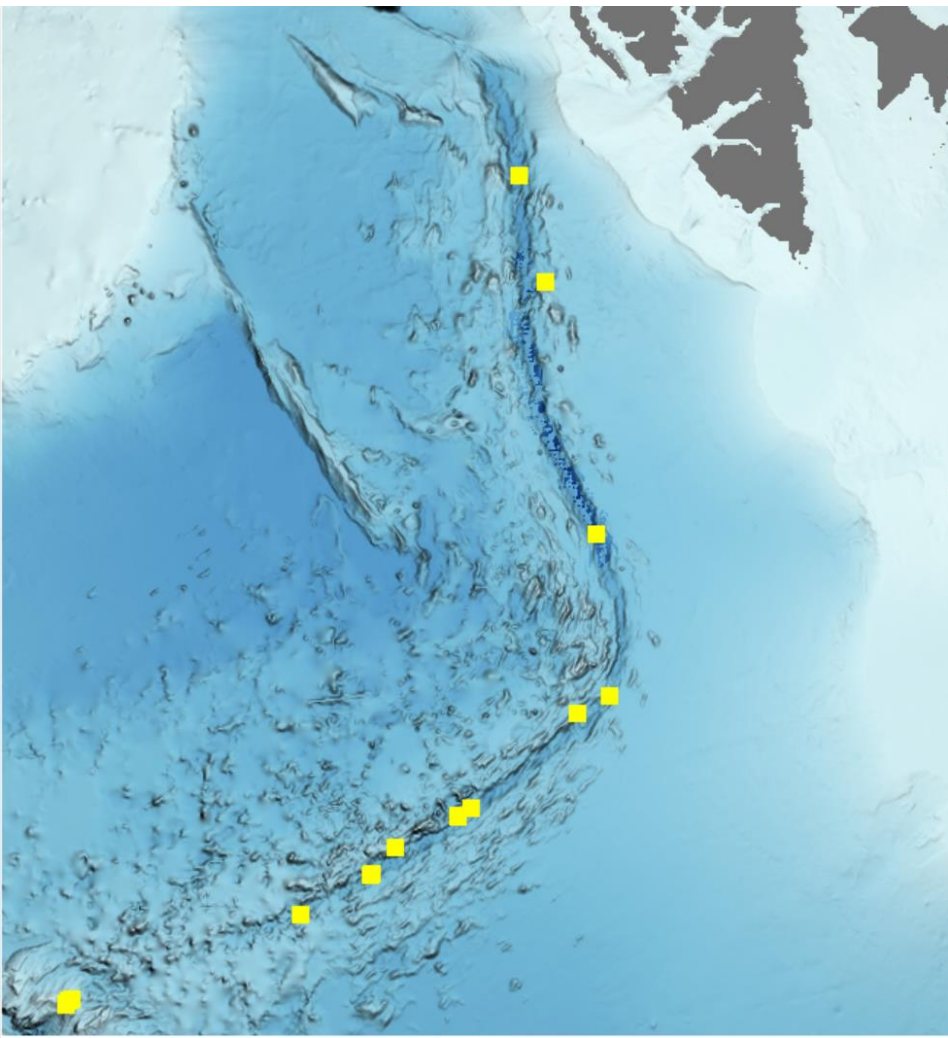
Anomalier

Fokusområder

Knipovitsjryggen



Planlegging av ODs egenopererte tokt 2021

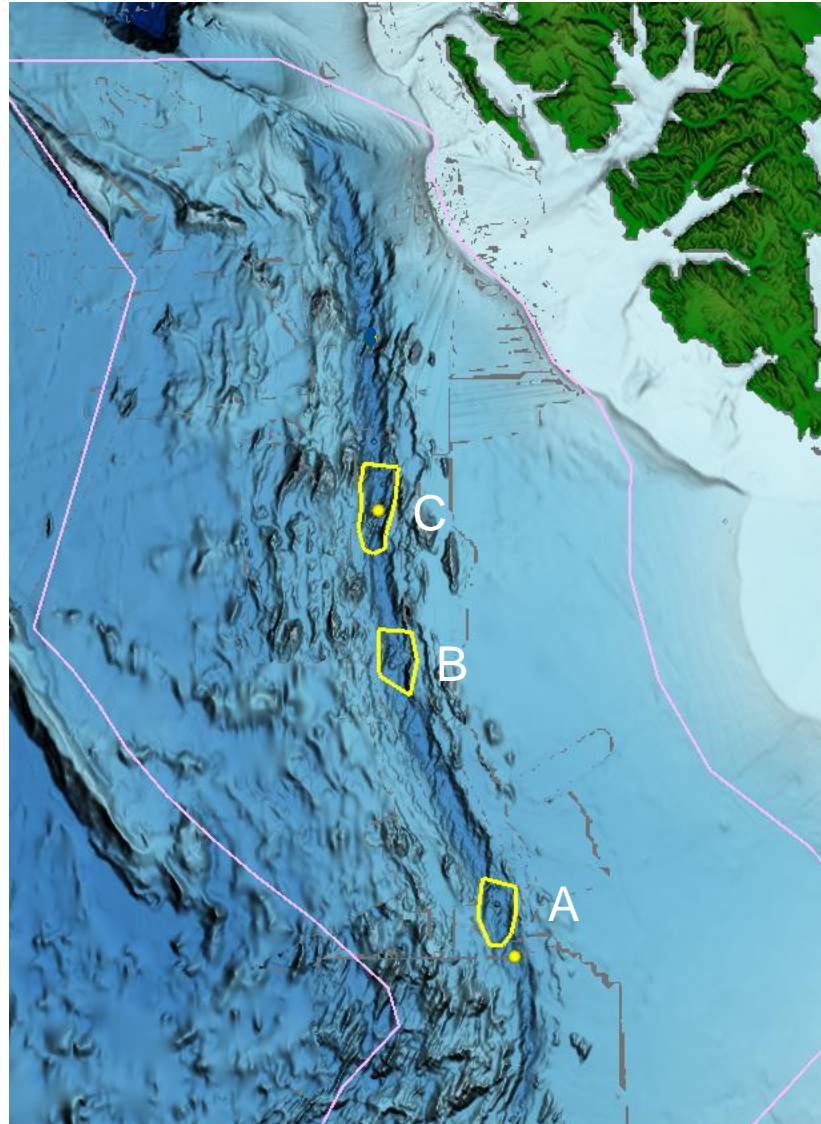


02.00.2022

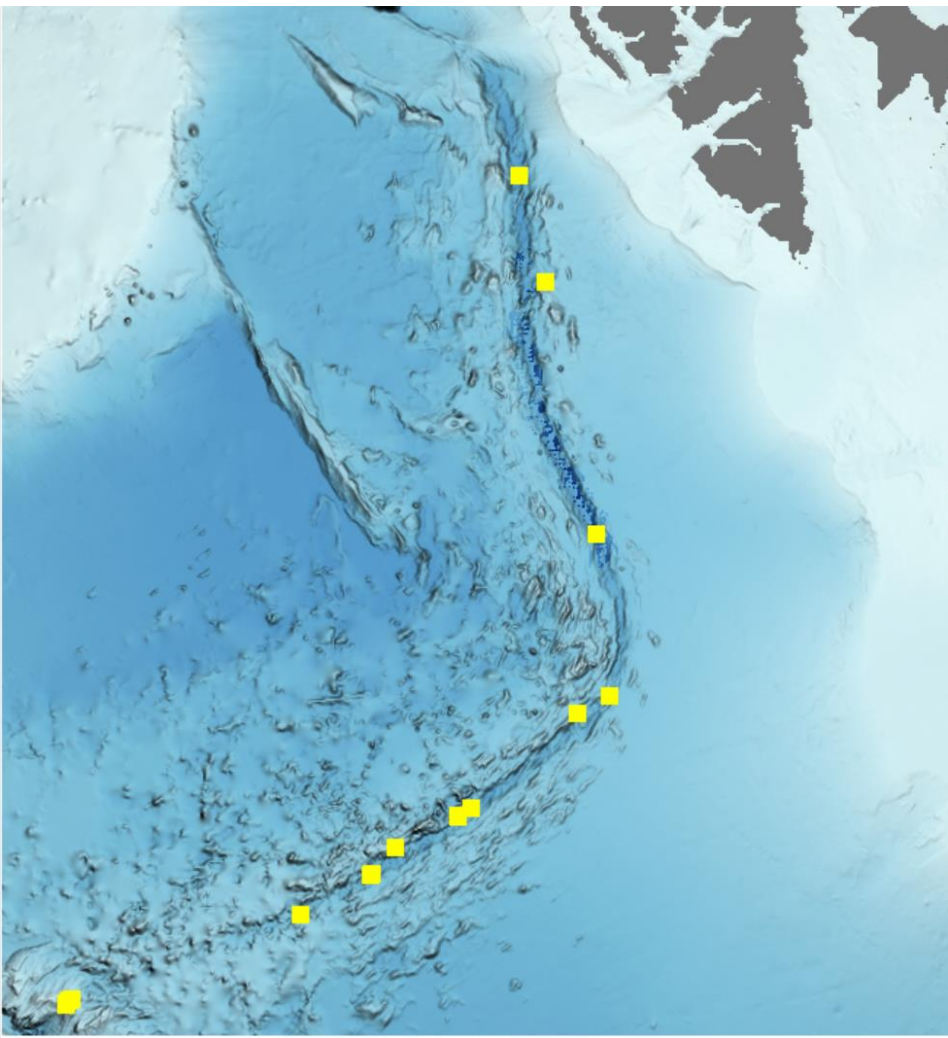
Anomalier

Fokusområder

Knipovitsjryggen



Planlegging av ODs egenopererte tokt 2021

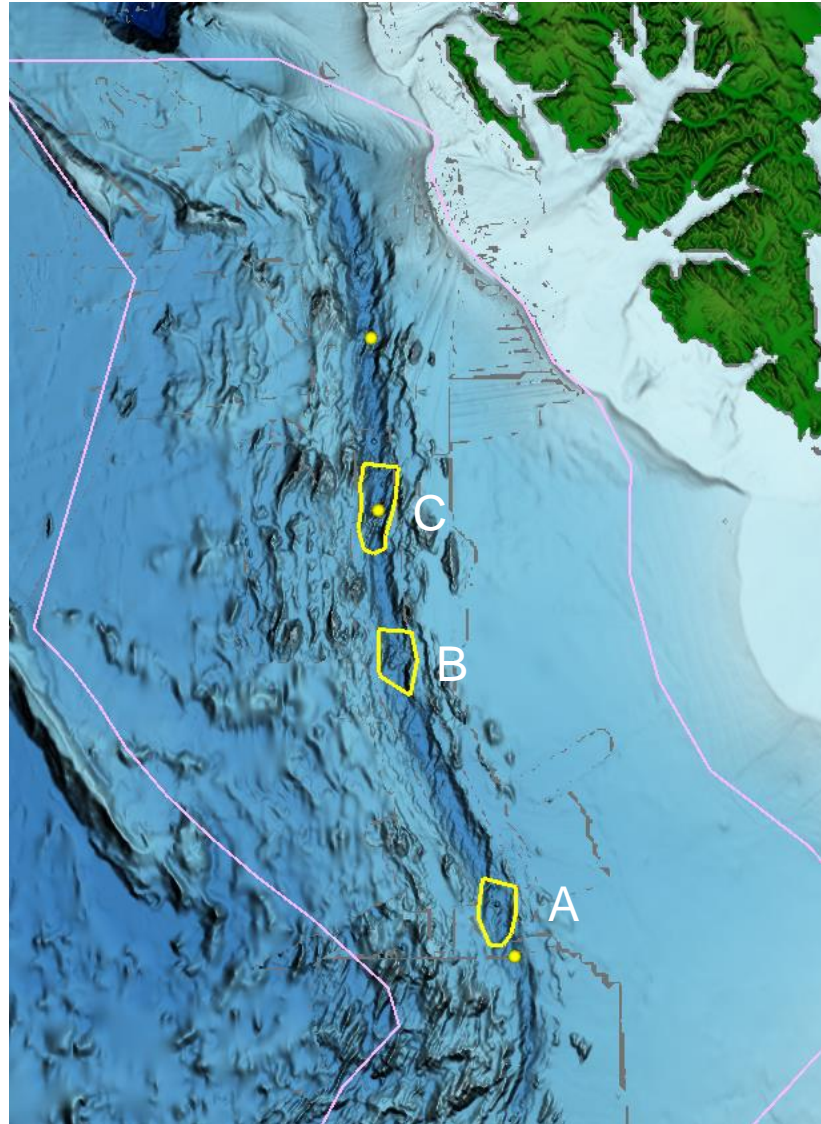


02.00.2022

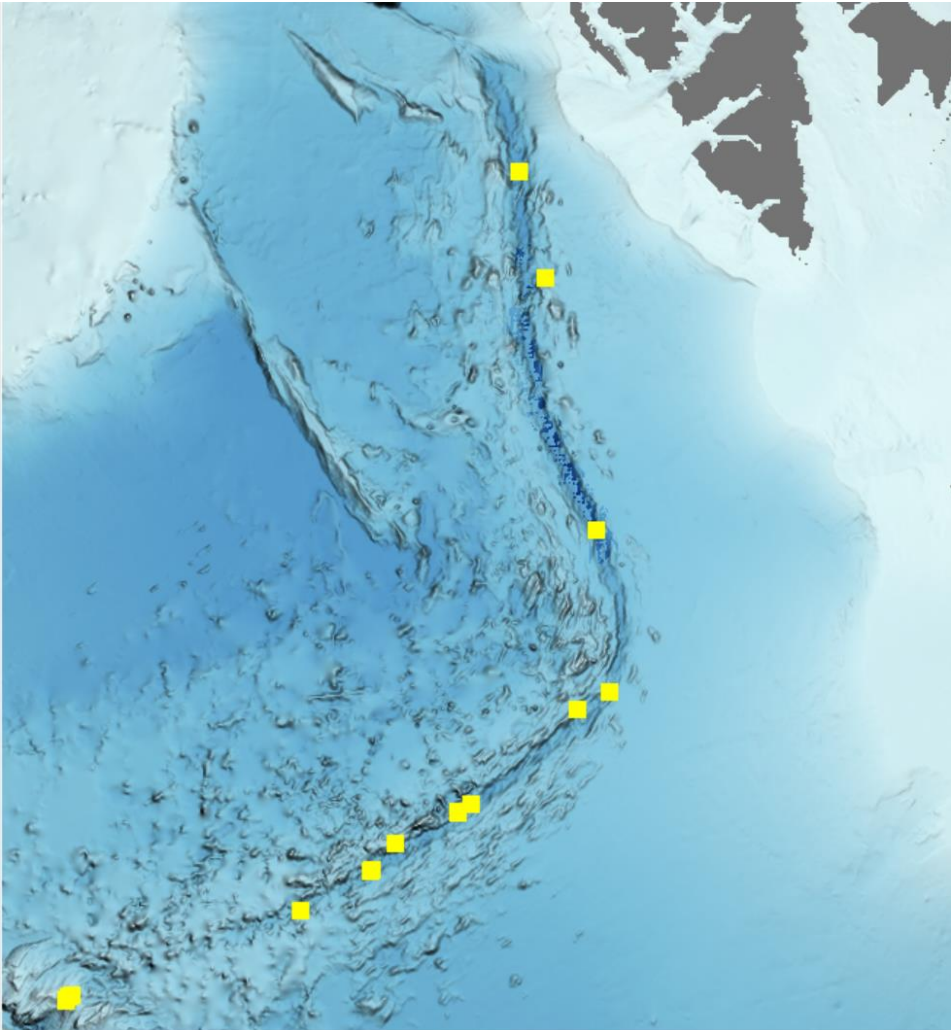
Anomalier

Fokusområder

Knipovitsjryggen



Planlegging av ODs egenopererte tokt 2021

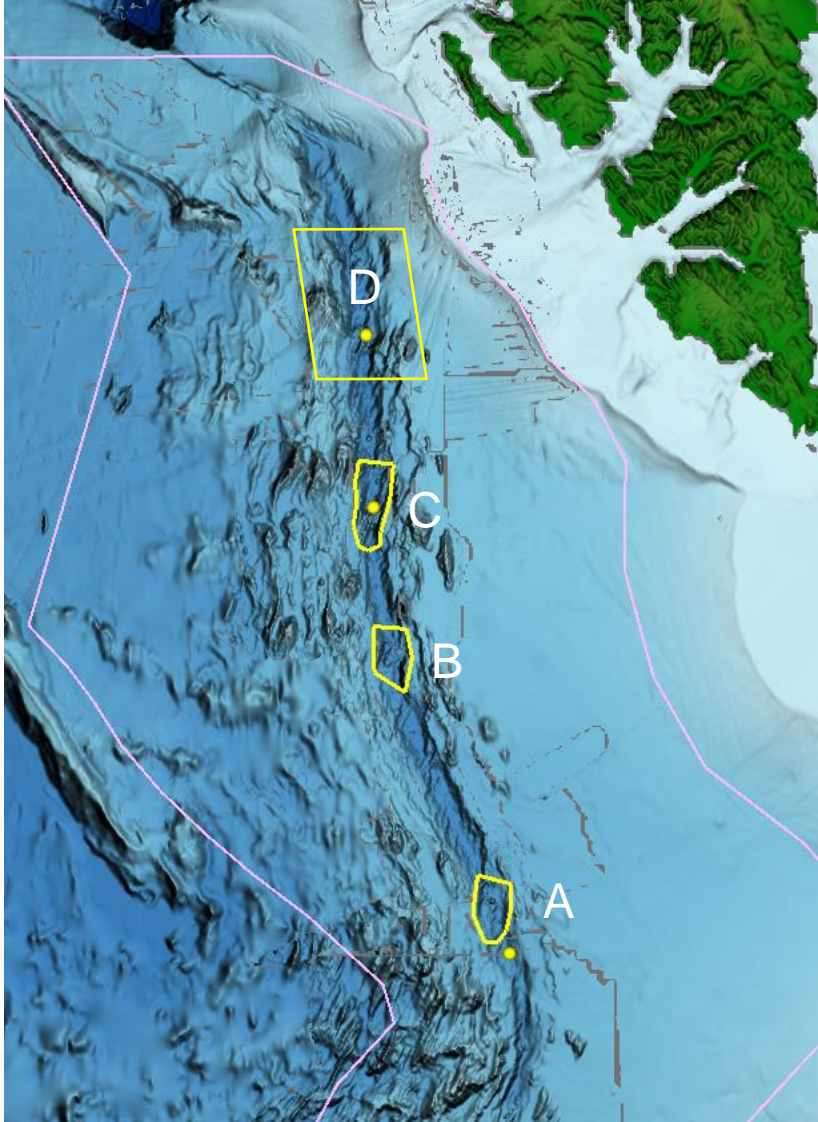


02.00.2022

Anomalier

Fokusområder

Knipovitsryggen



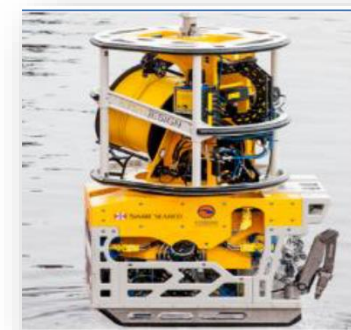
ODs egenopererte tokt 2021



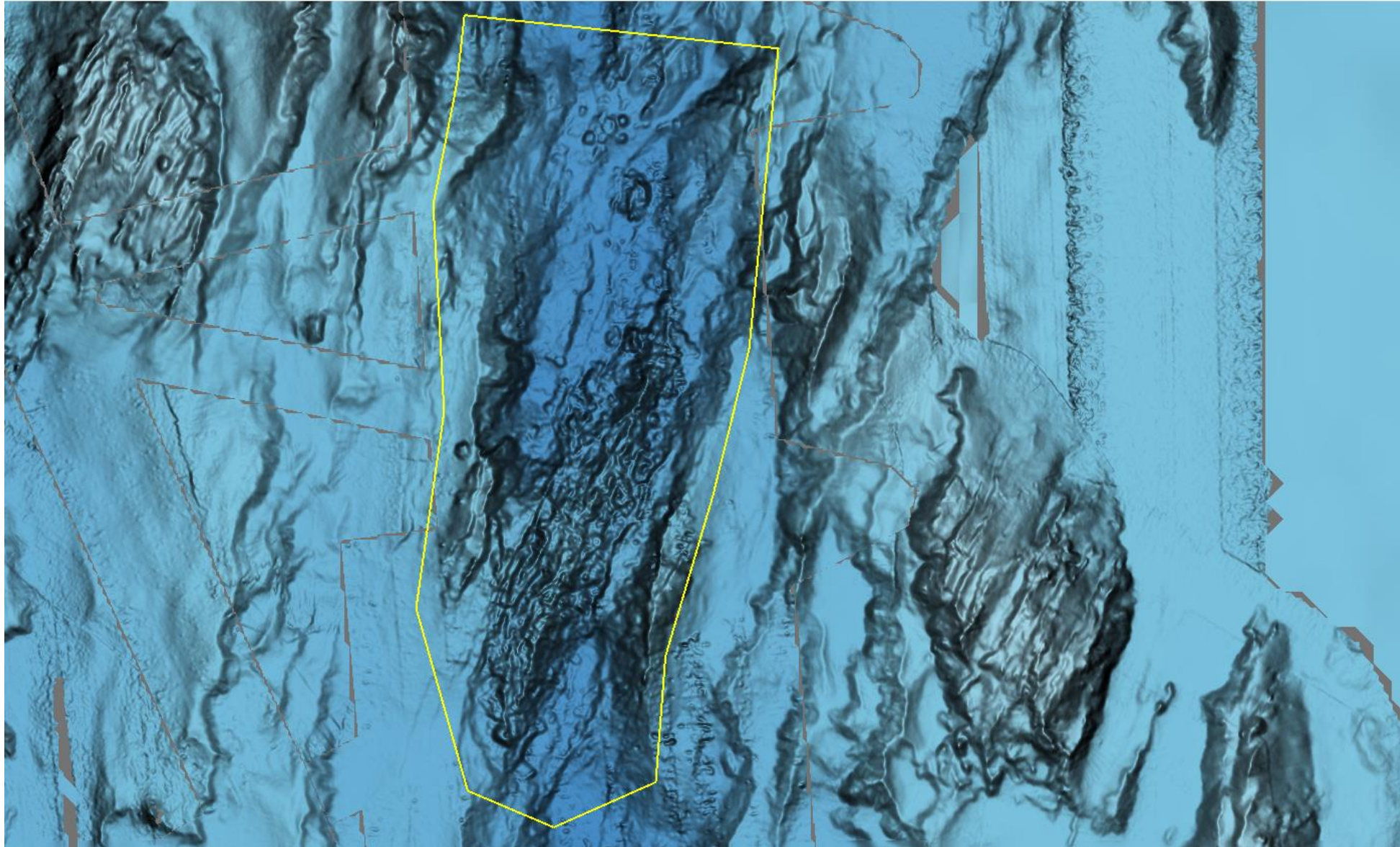
- Skip: Olympic Delta
- 1 ROV (Schilling) for å hente opp geologisk materiale
- Vanndyp var 2400 til 3500 meter
- 2 AUV Hugin 6000 S, batteritid: 45-60 timer
- Data:
 - 2200 linjekm AUV / 7400 km² AUV
 - MBES
 - MAG
 - Vannkjemi (CTD/ph_ORP_Turbidity_Temp/METS)
 - SSS (SSH/SSL/HiSAS)
 - SBP
 - SP
 - Tre dykk med ROV
 - Kamera*
 - Oversikt over prøvelokaliteter (ROV)*
 - Bergartsprøver*



Olympic Delta (Foto Marine Traffic)



Multistråle-batymetri fra overflate, boks C

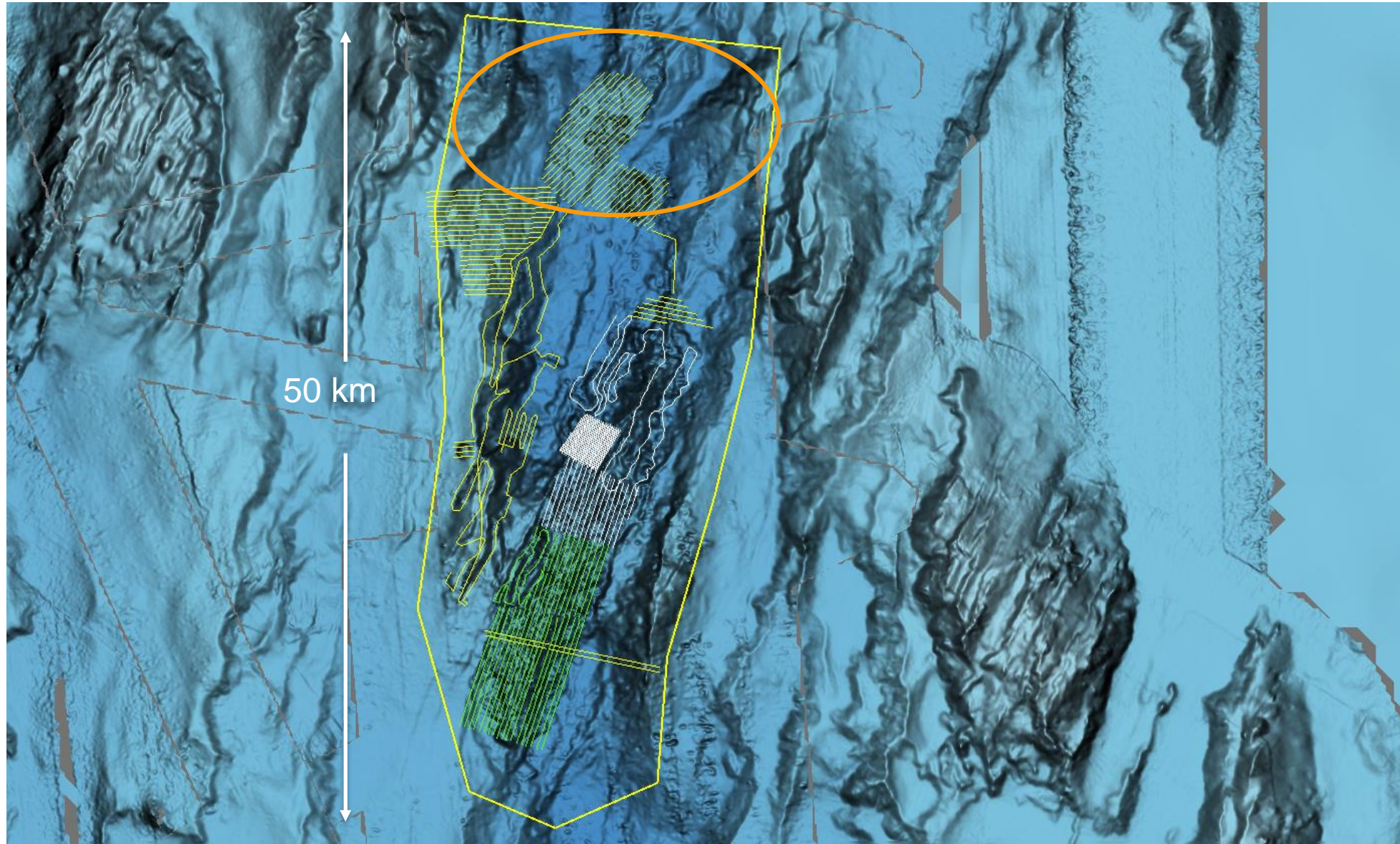


02.06.2022

Knipovitsryggen

10

Dekning med mulstistråle batymetri fra AUV i boks C



MBES, ship mounted
60 m x 60 m resolution

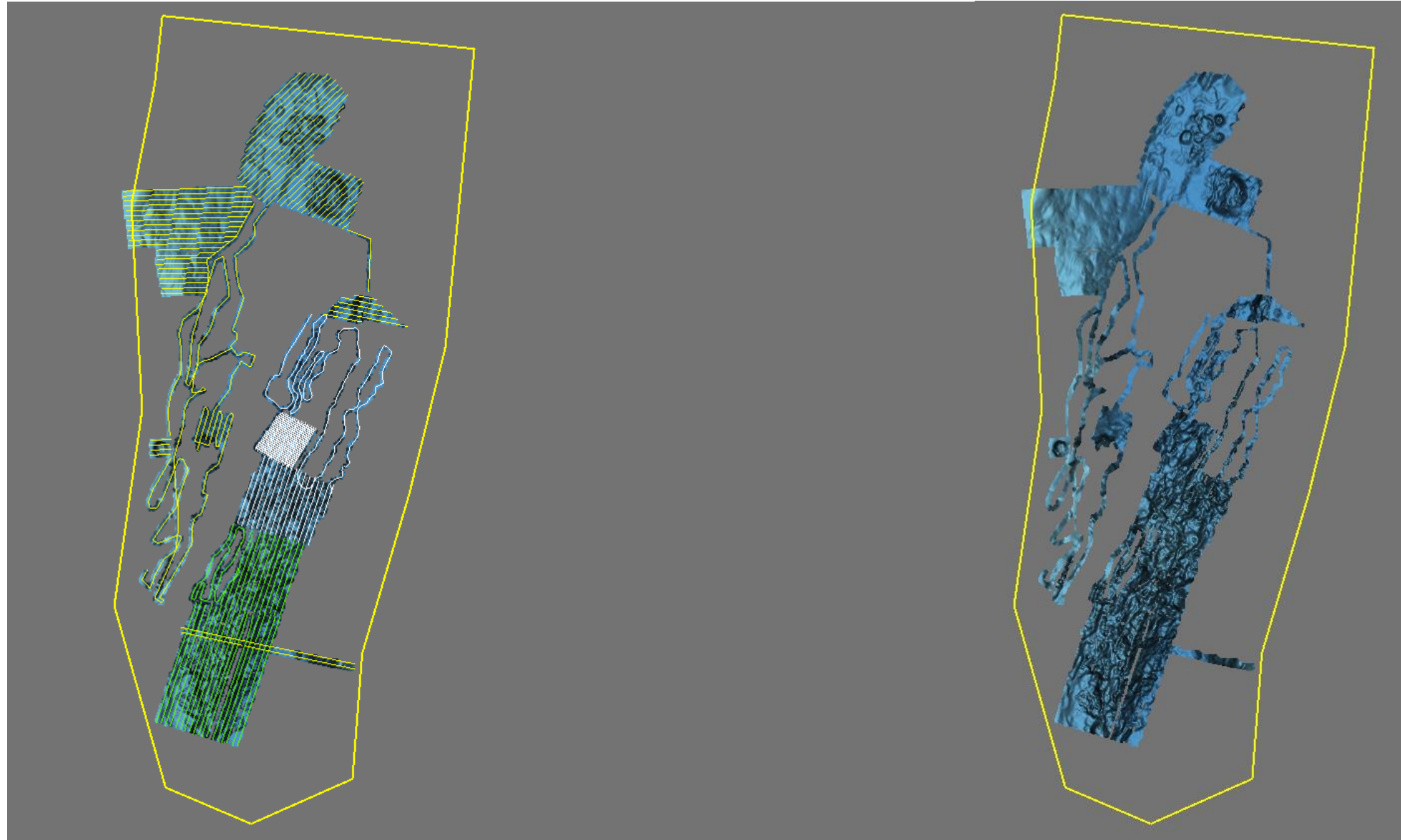
02.06.2022

Knipovitsryggen

12

MBES, AUV at 70 m altitude
1 m x 1 m resolution

Multiståle-batymetri fra AUV i boks C



Med linje-dekning

Knipovitsryggen

Uten linje-dekning

Side Scan Sonar data – eksempel fra boks C

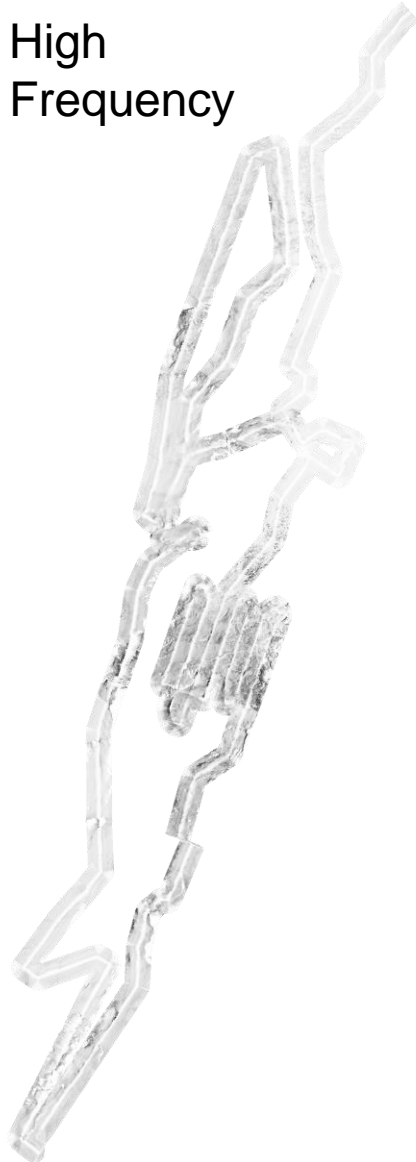


Low Frequency

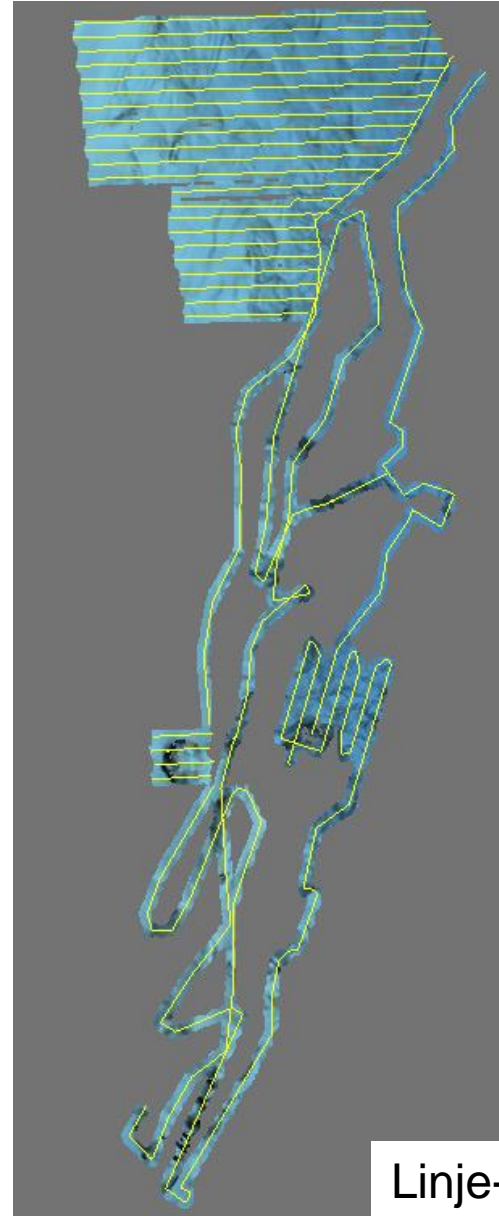


02.06.2022

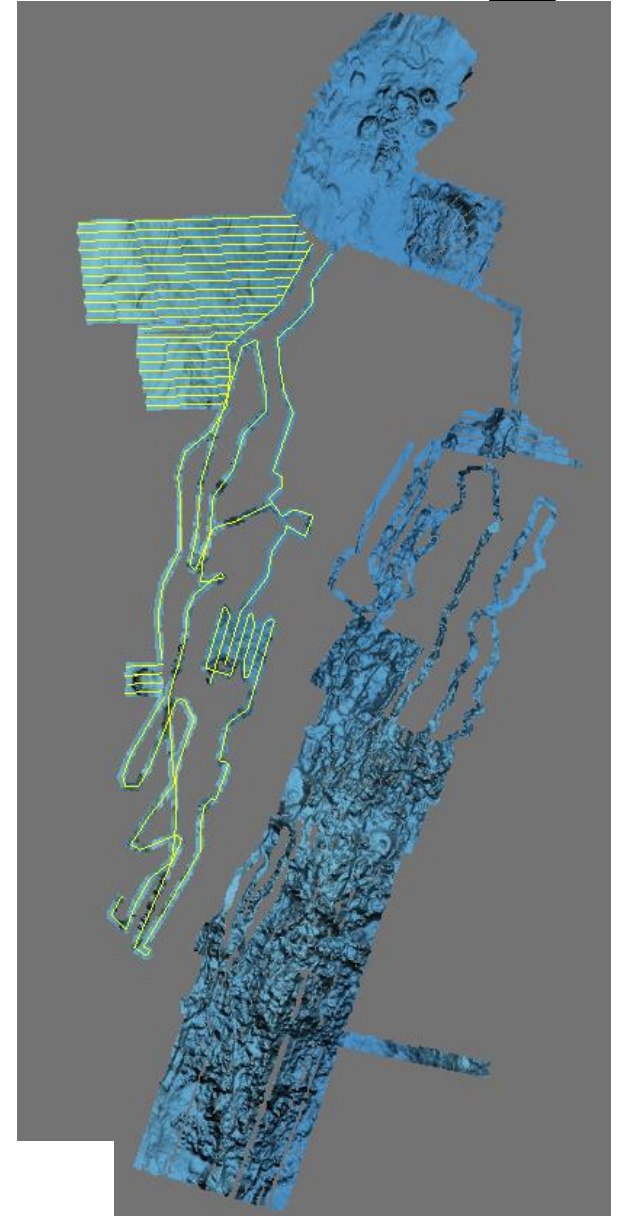
High Frequency



Knipovitsjryggen

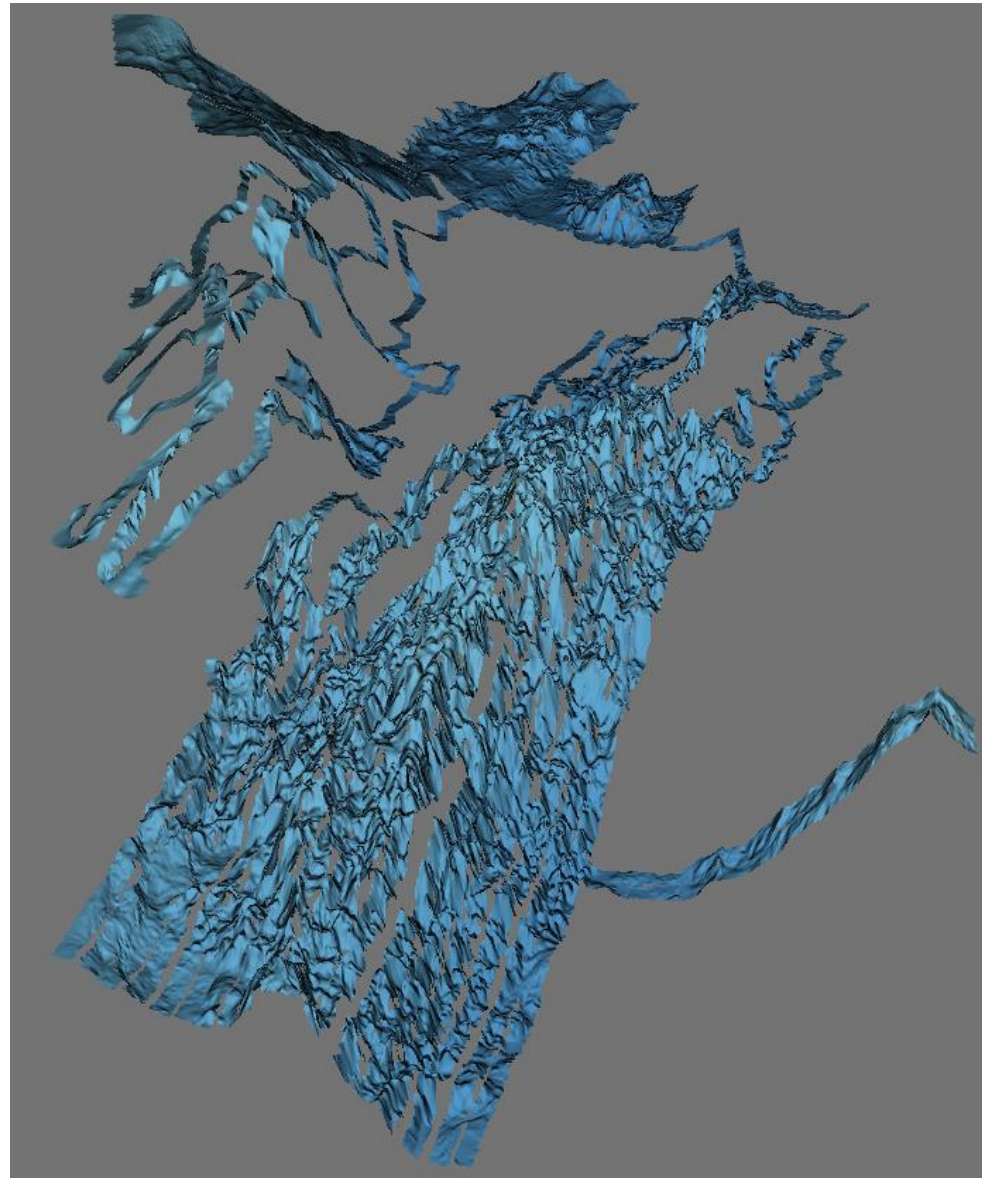


Linje-
plassering

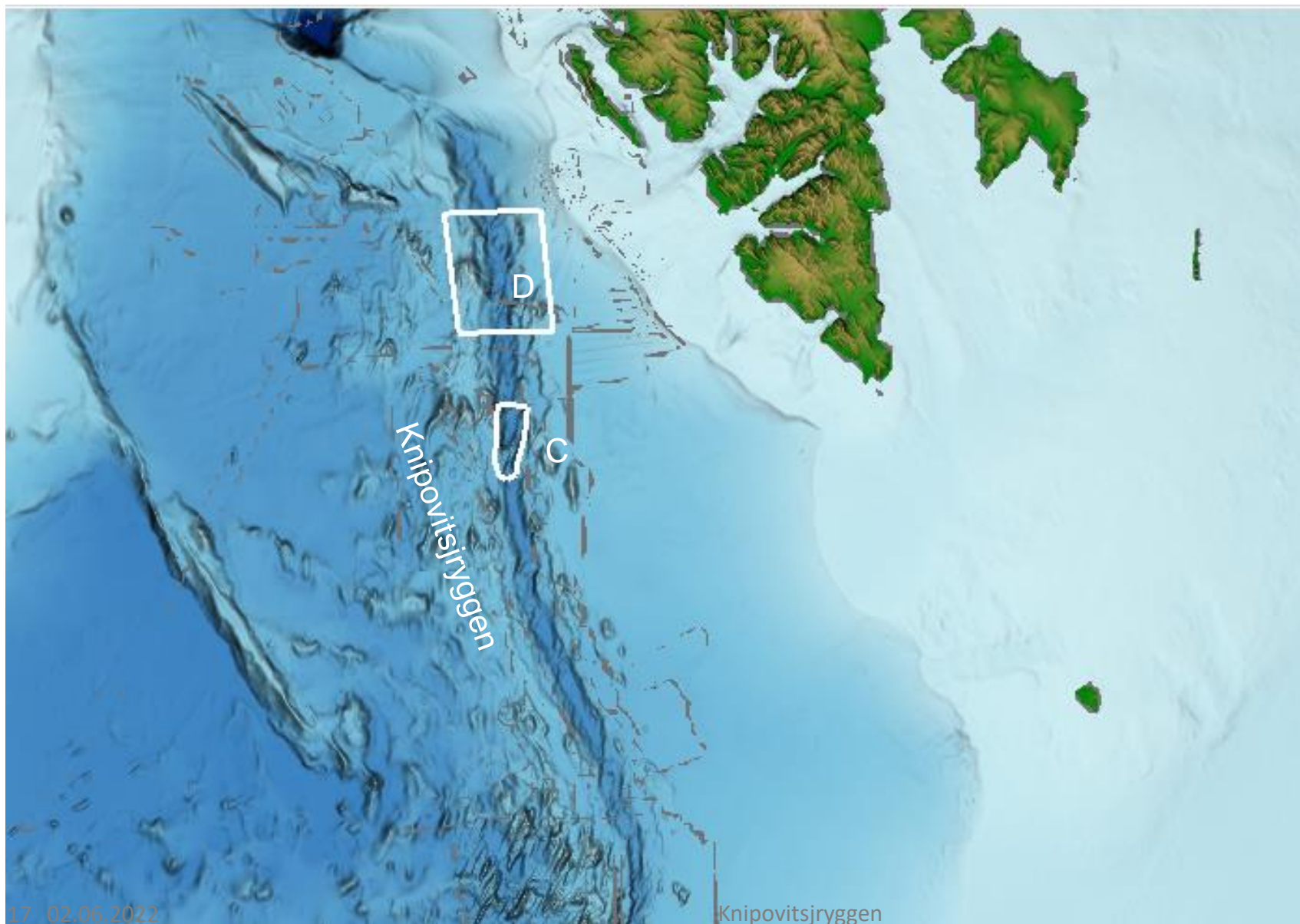


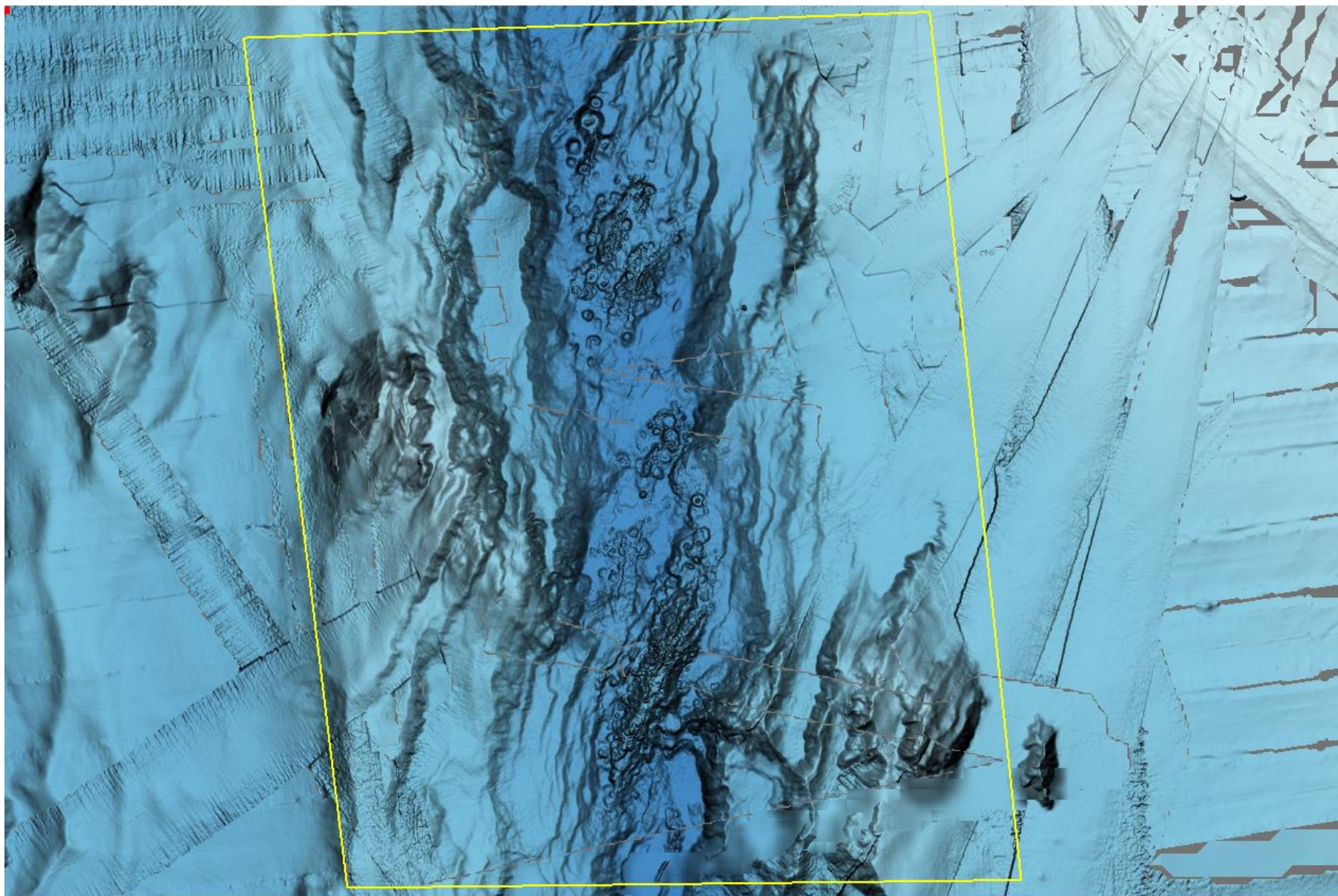
15

3D-vinkling av multistråledata



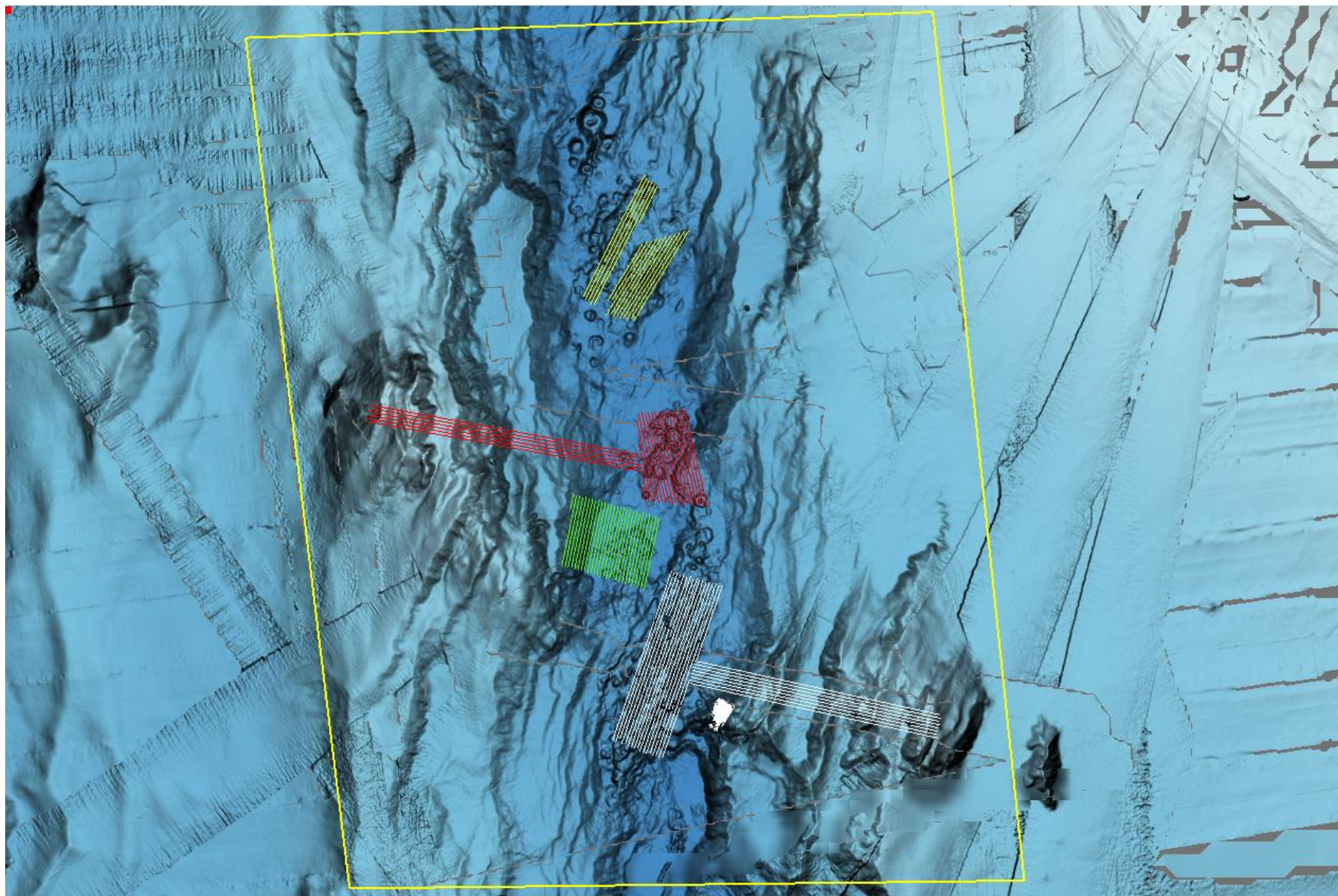
Område C og D



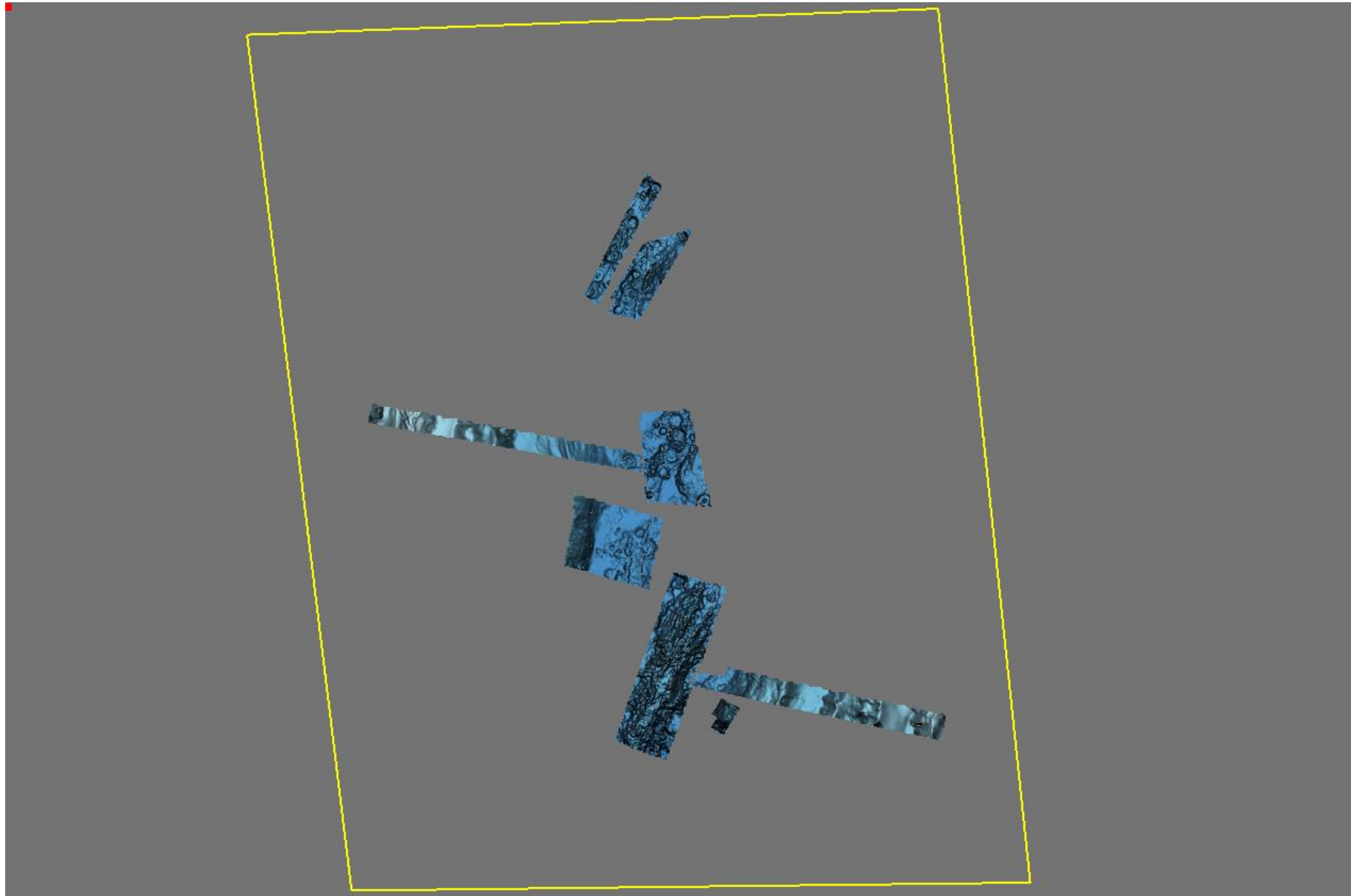


02.06.2022

Knipovitsryggen

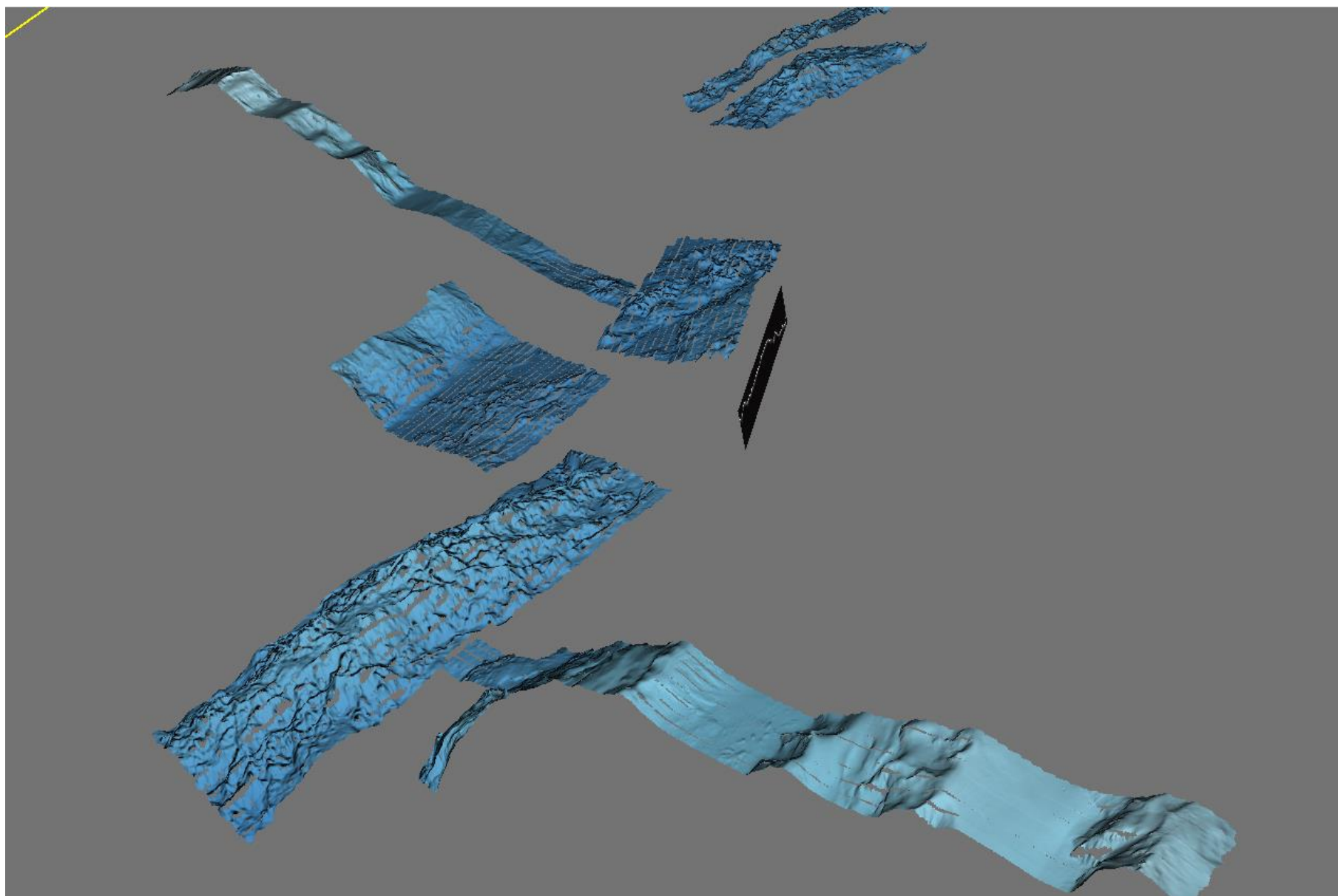


AUV MBES data



02.06.2022

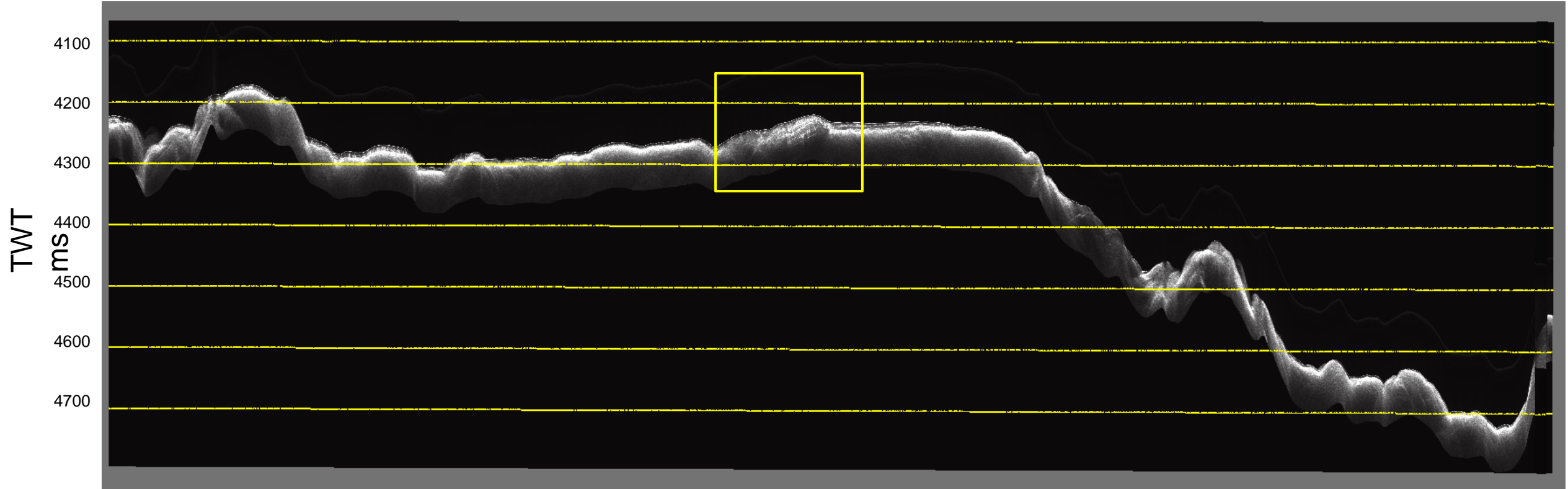
Knipovitsryggen



SBP data

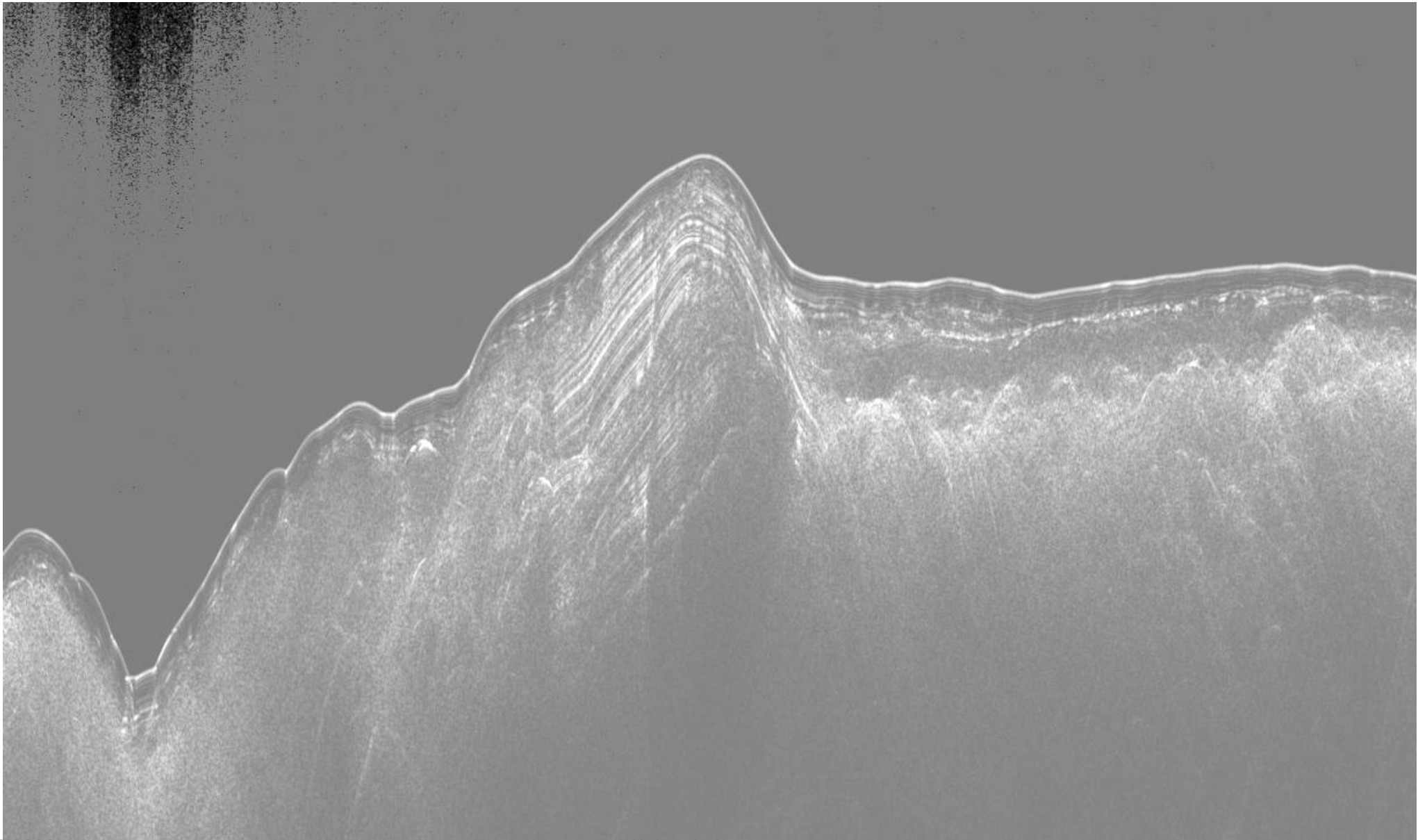


S ← 8250m → N



SBP-0007-D1M0001-20210911-235326_proc

1000m

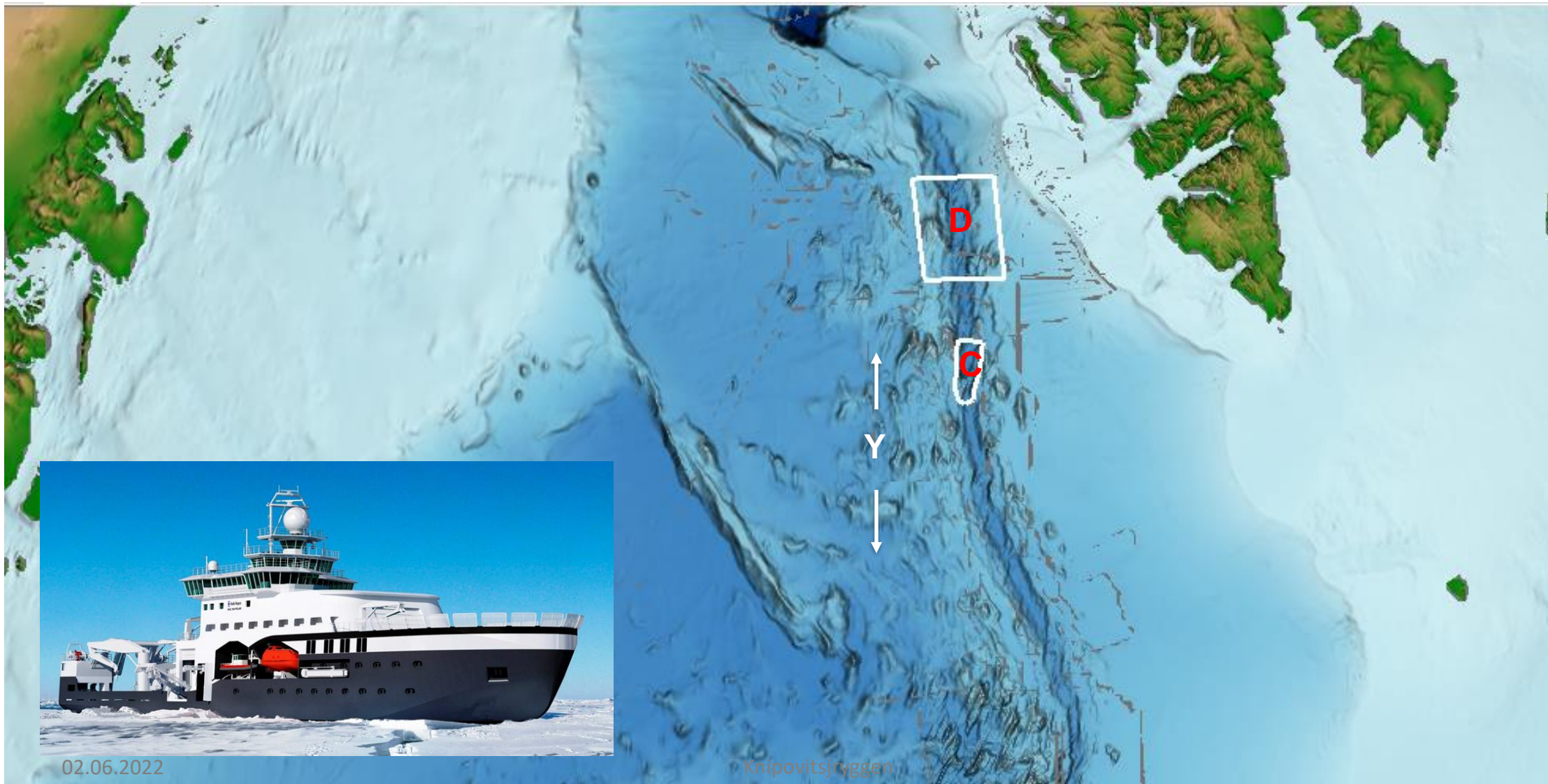


02.06.2022

Knipovitsjryggen

23

Tokt 2022



Takk for oppmerksomheten!

npd.no
factpages.npd.no/no
norskpetroleum.no

