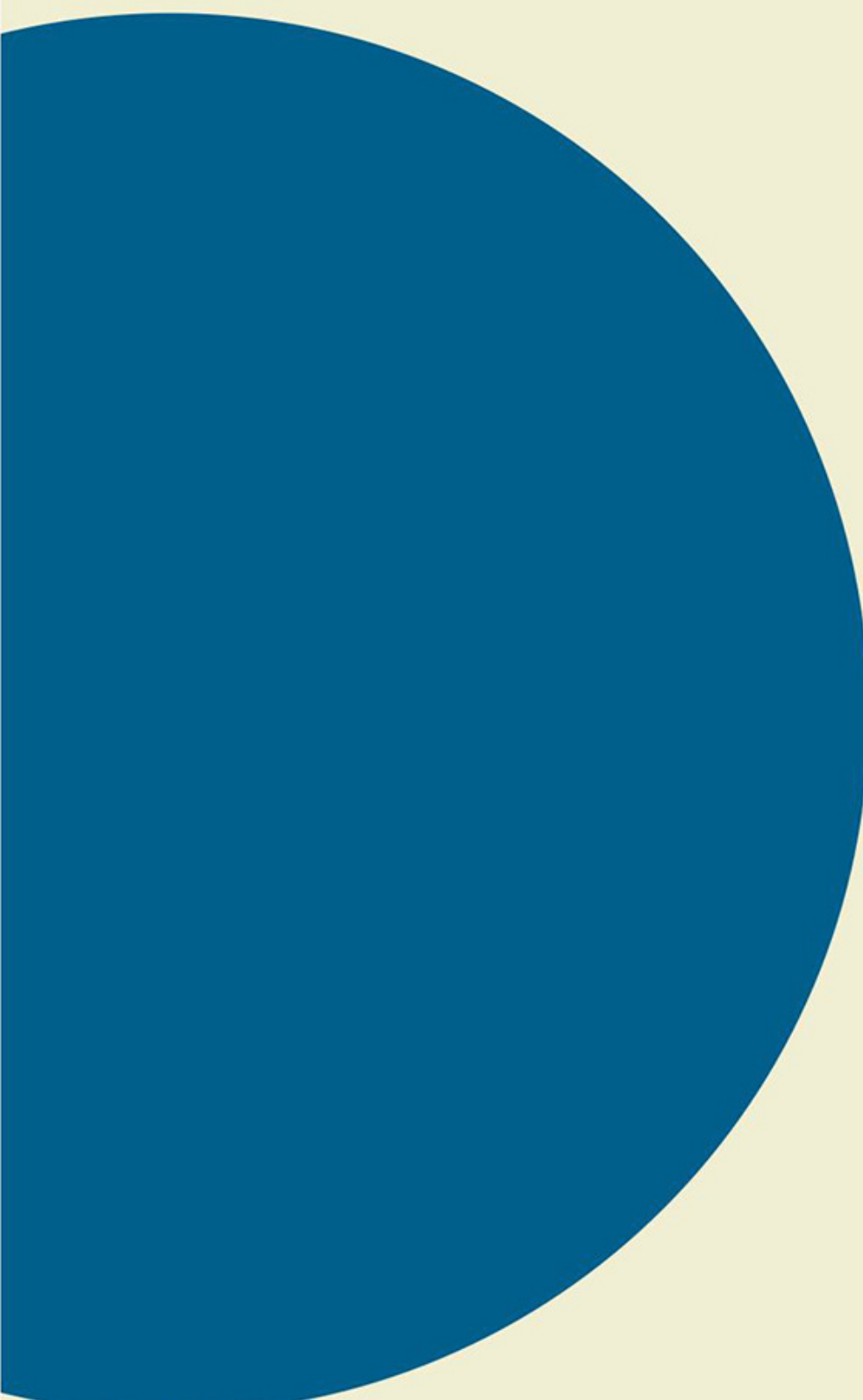


Geochemical seabed sampling Licence 1/99

Geological Report

Jørn Bo Jensen and Steen Lomholt



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Released 01.12.2005

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1. Introduction

This report concludes the Geochemical Sampling work done by GEUS for the Agip group in License 1/99.

The report contains a short description of the geological results from the geochemical investigations within and nearby the License 1/99 area. The acquisition and handling of shallow seismic survey data and a Vibrocoring programme, carried out by GEUS in the period 15. August to 11. September 2000 is presented in the Survey Report No 2000/75 October 2000.

A seismic survey of 182,5 km. has been shoot in August, consisting of a seismic grid of 112 km lines and 70,5 km transit lines.

19 shallow sealed cores have been taken with a 6 m vibrocorer and a sedimentological core log is presented in Enclosure B. from each core. The cores are illustrated on seismic section in enclosure D.1-19.

Results from the seismic survey, including older seismic data and the present cores have been used to interpret possible Seabed conditions and stratigraphy, and a thickness Map of the Marine Surface is presented in Enclosure A3.

Based on the above mentioned data, deep seismic data provided by Agip and general knowledge within GEUS a short general description of the area is presented.

2. Seismic Mapping

A Marine Surface Map covering the six selected areas for Seabed coring is prepared on seismic data mainly acquired in august this year. But also existing data are used including data from 1995 to 2000 acquired by GEUS in a general geological mapping project, covering most of the Danish North Sea acreage and older data. The seismic program acquired in the present survey is presented in Enclosure A1 and the total seismic coverage is shown in Enclosure A2

All cores from the Geochemical Surface programme have been used in this mapping project. The result is presented in Enclosure A3.

It can be seen on the map, that the thickness of the surface sand in general is less than 2 m in the eastern part of the area and increasing towards west. An attempt to avoid areas with the greatest thickness of surface sand is done during the selection of core positions. At the same time is is aimed on basis of seismic data to cover areas with different lithology, combined with areas with possibly visual gas seepage in near surface layers.

3. Cores

A total of 19 cores have been collected during this work. All cores except one (S 6-1) have penetrated more than 5 m of Seabed material. Six cores have penetrated clays or clayey material and in most of the cores sediment composition are fining downwards to fine grained sand or silt. (Enclosure D 1-19)

Core positions are listed in Enclosure E1 and sampling depths in Enclosure E 2 – 4.

4. General Geological overview:

The AGIP licence area 1/99 is located in the Danish central North Sea on the southwestern margin of the Horn Graben Main Border Fault, close to the deep well S-1 (Fig. 1).

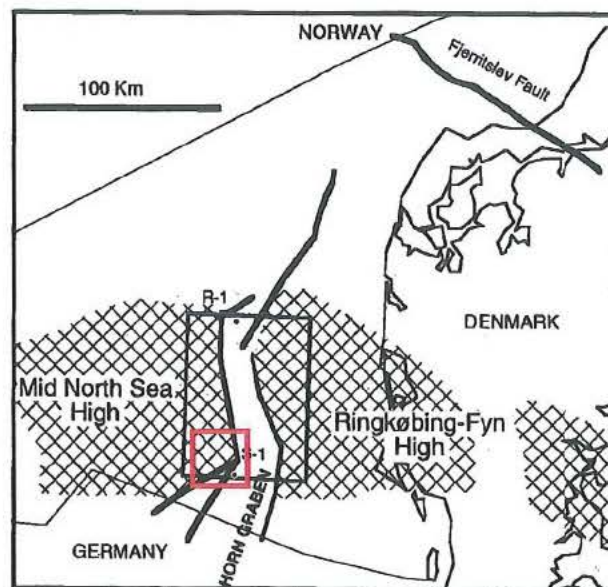


Figure 1. The setting of the Horn Graben. The mapped area is indicated by a red square.

The Horn Graben is generally defined as a single standing extensional structure, formed during the Triassic time period, while the Jurassic and Cretaceous time periods were tectonically quiet and characterised by subsidence. In the post Danian period late Tertiary inversion has been argued (Clausen and Korstgård, 1994) related to reactivated basement faults.

The general stratigraphy is illustrated in figure 2 showing seismic line DK2-5544 crossing the Main Border Fault (Fig 3). In addition indications of the post Danian inversion can be observed.

On basis of deep seismic data AGIP has selected 6 areas of interest (S1 - S6) for Geochemical Seabed sampling. These areas shows characteristic, possibly minor faulting in the post Danian sediments related to reactivation of the Main Border Fault zone, as it is illustrated in the selected deep seismic examples (fig. 3 and enclosures C1-C10). Seepage of possible Thermogenic gas from the deeper structures most likely will take place along the minor faults and the 6 selected areas represents the most promising areas.

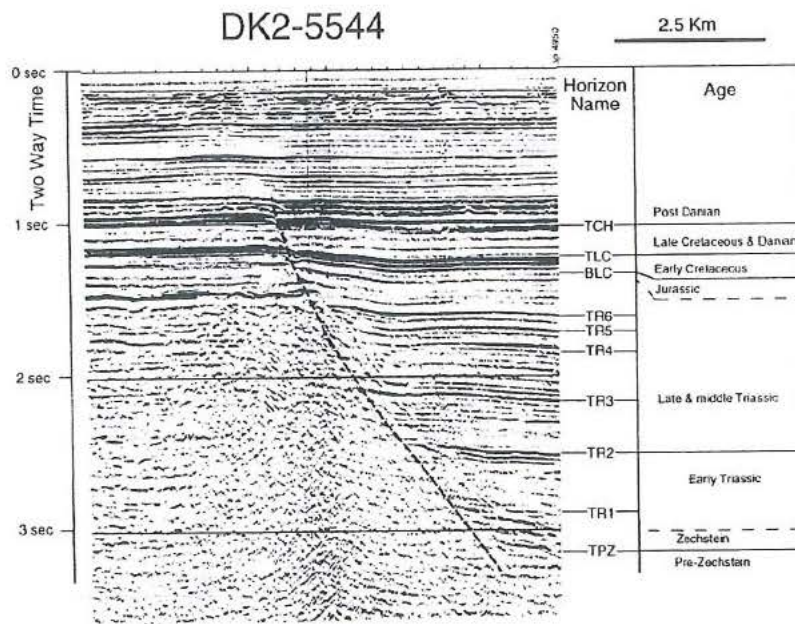


Fig.2 The seismic stratigraphy in the Horn Graben

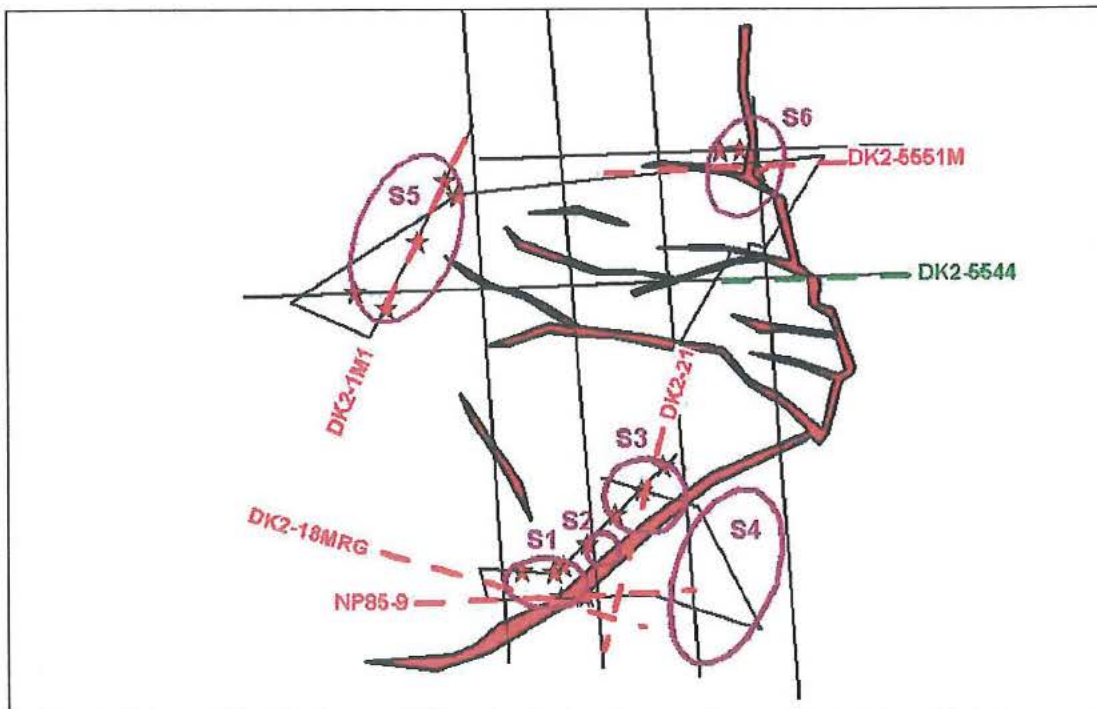


Fig.3 Overview Map of the selected areas S1-S6 (Purple Ellipses), deep seismic examples (Green stippled line Fig. 2 and read stippled lines seismic examples enclosures C1-C10), major fault zones (read areas) and shallow seismic lines (black lines)

The Miocene to Middle Pleistocene sedimentation in the Southern North Sea Basin has been dominated by the progressive westward expansion of a delta complex followed by

Middle Pleistocene (Elsterian) intersections of glacial palaeovalleys that has been incised into the upper part of the delta complex. Reactivation of the palaeovalleys has occurred several times in the Late Pleistocene time period (Huuse and Lykke-Andersen 2000). In spite of infilling in connection with the Holocene transgression the present bathymetry to a certain extent still reflects the framework of palaeovalleys. An interesting thought is that the fracture zones of minor faults in the post Danian sediments might have been developed as a result of reactivation of the Main Border Fault zone related to isostatic adjustments in the Pleistocene glacier ice marginal zone. Some of the palaeovalleys might even have been eroded in the fracture zones.

5. Geological results

Based on the first evaluation of the seismic data from the area, it was expected that Saalien moraine could be reached by cores in the area. But no cores have penetrated into Moraines. The results from the coring programme shows, that the area is covered with medium to fine grained Marine Sand covering fine grained Late Glacial Freshwater Sand or silt. In cores no. S1-1, S1-4, S1-5, S5-3 and S5-5 the fine grained Marine Sand covers Marine Clays. This could indicate the presence of smaller basins with quite conditions or greater depths in the marine area. In a single core (S5-4) the Freshwater sand or silt is followed by fresh water clays and in S2-1 the marine sand is followed by Peat and Freshwater sand.

The shallow seismic mapping carried out in the present project reveals a number of channels in the area as presented in Enclosure A3.

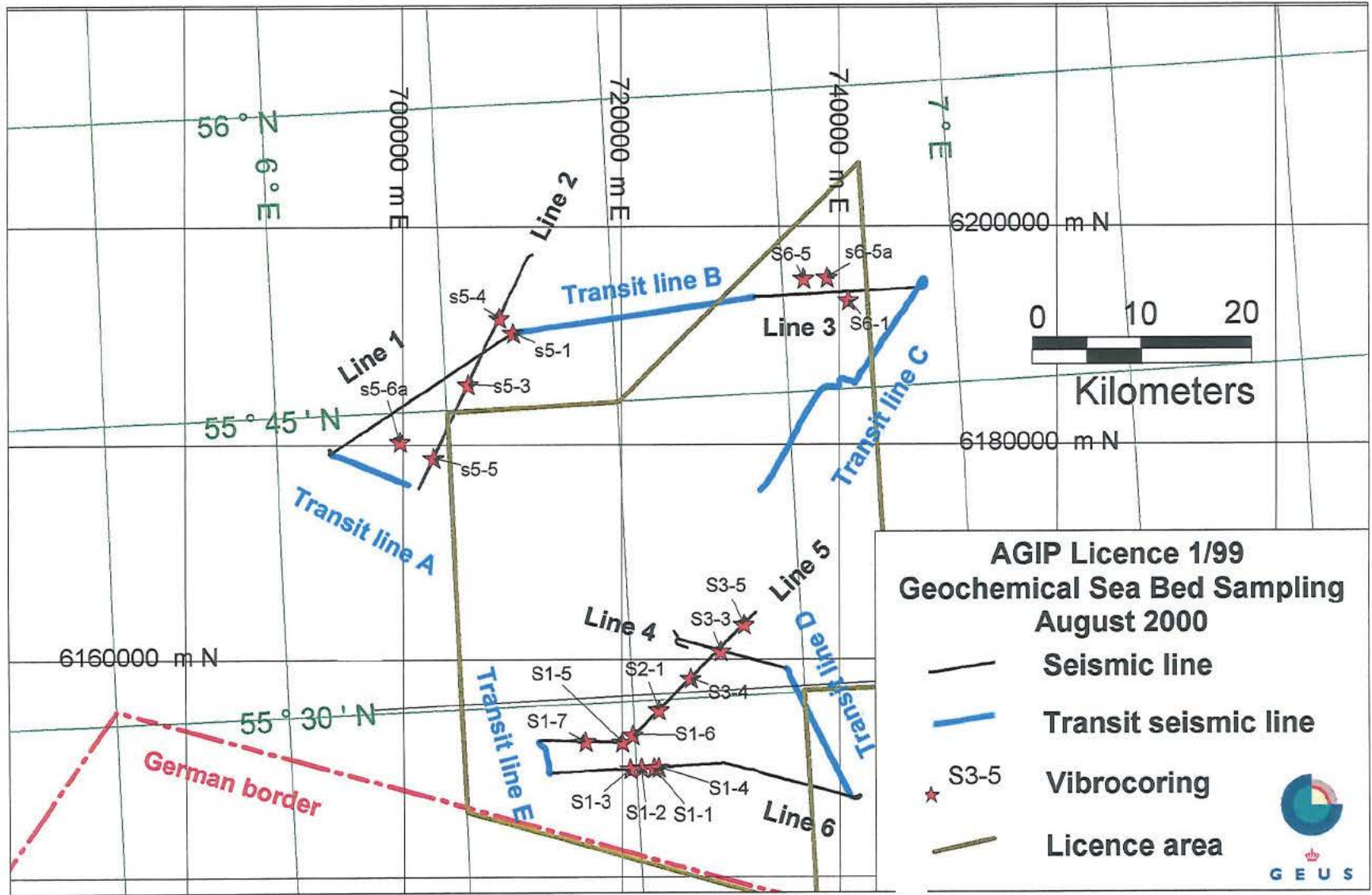
6. Reference

Survey Report: Lomholt, S. and Jensen J.B. Geochemical Seabed sampling License 1/99. GEUS report 2000/75.

Clausen O. R. and Korstgaard J.A.. Displacement geometries along Graben bounding faults in the Horn Graben, Offshore Denmark. First Break Vol. 12. No. 6. June 1994/305.


Huuse M. and Lykke-Andersen H. Overdeepened Quaternary valleys in the eastern Danish North Sea: Morphology and origin. Quaternary Science Reviews 19 2000 1233-1253.

Enclosure A




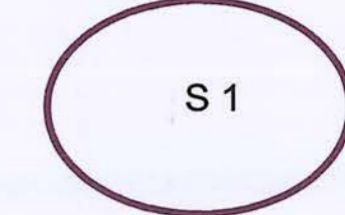
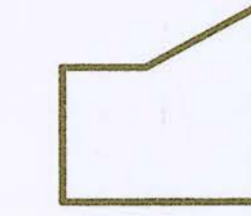



AGIP Licence 1/99
Geochemical Sea Bed Sampling
August 2000

- Seismic line
- Transit seismic line
- ★ S3-5 Vibrocoreing
- Licence area



Seismic data Area License 1/99



-  Seismic lines
-  Selected Area
-  License Area
-  30 metres
-  40 metres
-  50 metres

55 45

55 30

Projection ED 50

Scale: 1:200.000



GEUS
Report file no.
Enclosure
17759 (01/02)

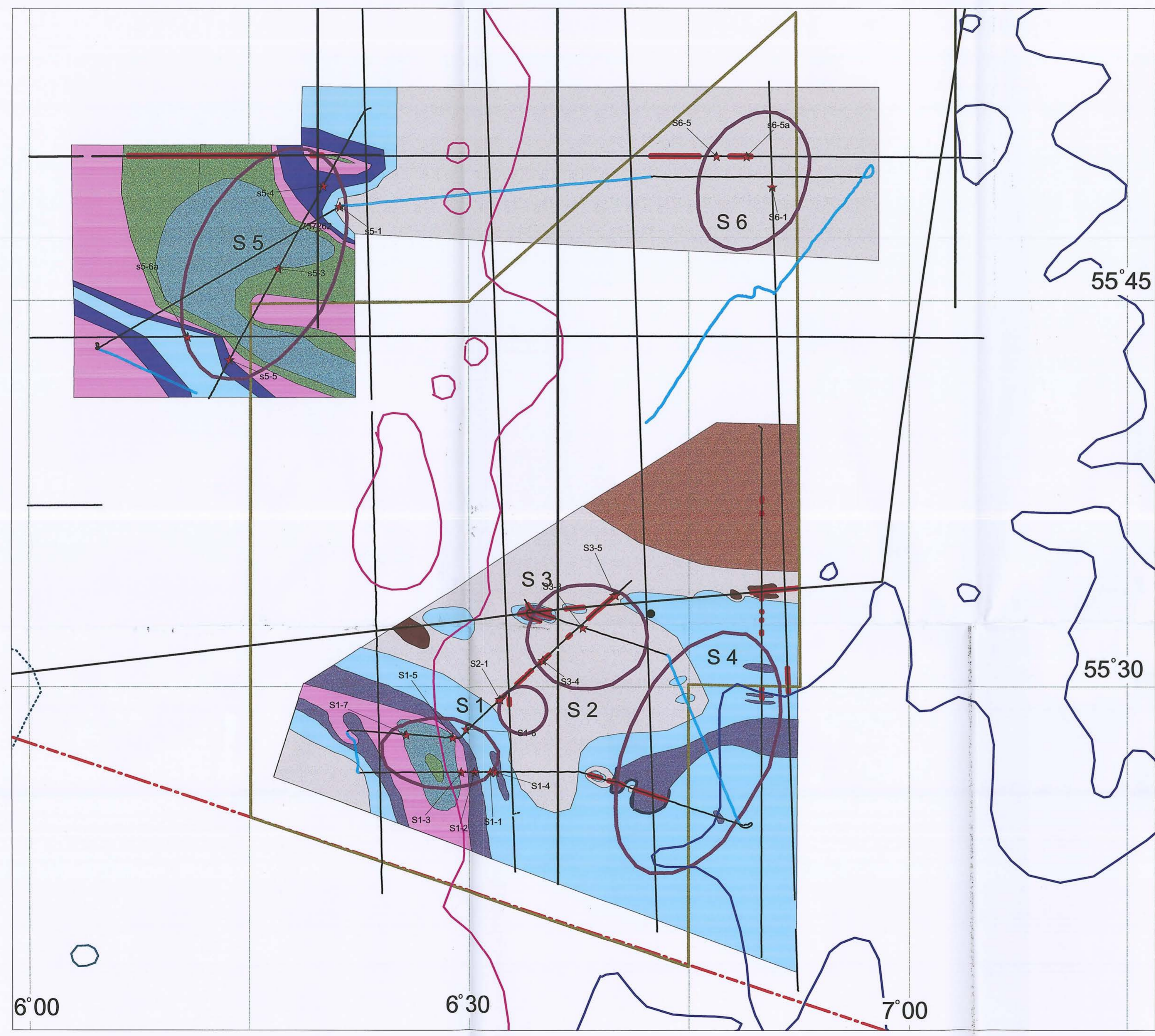
Enclosure A2










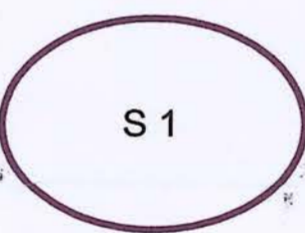
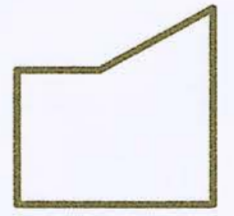



6 00

6 30

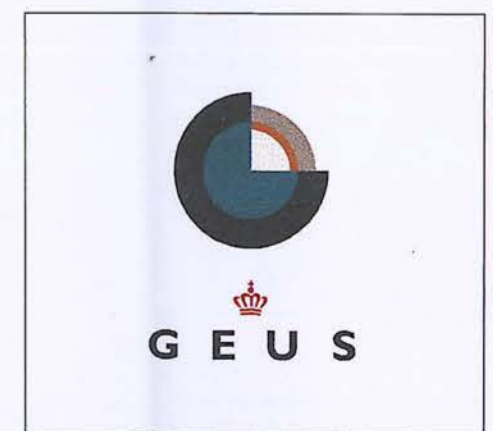
7 00

Thickness of Marine Surface Sand



-  0 m.
-  0-1 m.
-  1-2 m.
-  2-3 m.
-  3-4 m.
-  4-5 m.
-  5-6 m.
-  Seismic lines
-  Channels or small basins located along seismic lines
-  Selected Area
-  Licens Area
- Water depth**
-  30 metres
-  40 metres
-  50 metres

Projection ED 50
Scale: 1:200.000



Enclosure B

SEDIMENTOLOGICAL CORE LOG

CORE NR.: S1-1, I-VI

LINE: AGIP 06A

FIX: 03.20.97

WATER DEPTH: 38,6m

Sample depth	Core	Box	Scale	Lithology	Grain size & Sedimentary structure	Description
Stratigr.						
	VI		1			0,20-0,78 SAND, very-fine, slightly silty, areas with gyttja, shell fragments, dark grey 5Y 5/1
	V		2			1,78-2,63 SAND, very fine, silty, shells and shell fragments, bioturbation?, dark grey 5Y 4/1
	IV		3			2,63-3,01 SAND, very fine, slightly silty, laminated, few shell fragments dissiminated fine organic particles grey 5Y 5/1
	III					3,01-3,53 CLAY, silty, sand pats in top, area's with gyttja, few shell fragments, bioturbated?, grey 5Y 5/1
Kern III						
Gas III						
	II		4			3,78-4,53 CLAY, silty bioturbated, few shell fragments, some gyttja, very dark grey - dark grey - grey 5Y 3/1 - 4/1 - 5/1
Kern II						
Gas II						
	I		5			4,78-5,53 CLAY, silty, few shell fragments, bioturbated, black - dark grey - grey 5Y 2,5/1 - 4/1 - 5/1
Kern I						
Gas I						
			6			
			m			

Position in ED50
Latitude 55 26,7306'
longitude 06 31,5722'

18.09.2000 PK
Date Described by

Clay Silt F M C Gr Pb
0.0039 0.0625 0.125 0.25 0.5 1 2 4 64
mm

Geological Survey of Denmark
and Greenland



SEDIMENTOLOGICAL CORE LOG

CORE NR.: AGIP S1-2

LINE: AGIP 06A

FIX: 03.30.25

WATER DEPTH: 38,3m

Sample depth	Core	Box	Scale	Lithology	Grain size & Sedimentary structure	Description																																		
Stratigr.																																								
	VI					<p>0,20-3,11 SAND, very fine, silty, some gyttja in upper 50cm, shells and shell fragments, very dark grey -dark grey-grey 5Y 3/1- 4/1 - 5/1</p>																																		
	V		1				HS																																	
	IV		2																																					
	III		3																																					
Kem III						<p>3,36-3,78 SAND, very fine, silty, shells and shell fragments increasing downwards, bioturbation, grey 5Y 5/1</p>																																		
Gas III					HS																																			
	II					<p>3,78-4,11 SAND, very fine, few mica, slightly silty, laminated, bioturbation from top, light brownish grey 10YR 6/2</p>																																		
			4				TS																																	
Kem II						<p>4,36-5,11 SAND, very-fine, slightly silty, few plant fragments, laminated, slightly micaceous, light brownish grey 10YR 6/2</p>																																		
Gas II					TS																																			
	I																																							
			5																																					
Kem I																																								
Gas I																																								
			6																																					
			m		<table style="display: inline-table; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">Clay</td> <td style="border-right: 1px solid black; padding: 0 5px;">Silt</td> <td style="border-right: 1px solid black; padding: 0 5px;">F</td> <td style="border-right: 1px solid black; padding: 0 5px;">M</td> <td style="border-right: 1px solid black; padding: 0 5px;">C</td> <td style="border-right: 1px solid black; padding: 0 5px;">Gr</td> <td style="padding: 0 5px;">Pb</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">0.0039</td> <td style="border-right: 1px solid black; padding: 0 5px;">0.0625</td> <td style="border-right: 1px solid black; padding: 0 5px;">0.125</td> <td style="border-right: 1px solid black; padding: 0 5px;">0.25</td> <td style="border-right: 1px solid black; padding: 0 5px;">0.5</td> <td style="border-right: 1px solid black; padding: 0 5px;">1</td> <td style="padding: 0 5px;">2</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;"></td> <td style="border-right: 1px solid black; padding: 0 5px;"></td> <td style="border-right: 1px solid black; padding: 0 5px;"></td> <td style="border-right: 1px solid black; padding: 0 5px;"></td> <td style="border-right: 1px solid black; padding: 0 5px;"></td> <td style="border-right: 1px solid black; padding: 0 5px;"></td> <td style="padding: 0 5px;">4</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;"></td> <td style="border-right: 1px solid black; padding: 0 5px;"></td> <td style="border-right: 1px solid black; padding: 0 5px;"></td> <td style="border-right: 1px solid black; padding: 0 5px;"></td> <td style="border-right: 1px solid black; padding: 0 5px;"></td> <td style="border-right: 1px solid black; padding: 0 5px;"></td> <td style="padding: 0 5px;">64</td> </tr> <tr> <td colspan="7" style="text-align: center;">mm</td> </tr> </table>	Clay	Silt	F	M	C	Gr	Pb	0.0039	0.0625	0.125	0.25	0.5	1	2							4							64	mm						
Clay	Silt	F	M	C	Gr	Pb																																		
0.0039	0.0625	0.125	0.25	0.5	1	2																																		
						4																																		
						64																																		
mm																																								

Position in ED50
 Latitude 55 26,7339'
 longitude 06 30,4682'

14.09.2000 PK
 Date Described by

Geological Survey of Denmark
 and Greenland



SEDIMENTOLOGICAL CORE LOG

CORE NR.: AGIP S1-3

LINE: AGIP 06A

FIX: 03.38.45

WATER DEPTH: 38,1m

Sample depth	Core	Box	Scale	Lithology	Grain size & Sedimentary structure	Description
Stratigr.						
	VI			•••••		0,20-3,43 SAND, very fine, silty, shell fragments, some gyttja in uppermost 0,5m, dark grey 5Y 5/1-4/1.
			1			
	V			•••••		
			2			
	IV			•••••		
			3			
	III			•••••		
Kern III						
Gas III						
	II			•••••		3,68-4,43 SAND, very fine, silty, bioturbated ?, shells and shell fragments, few wood fragments, dark grey 5Y 4/1
			4			
Kern II						
Gas II						
	I			•••••		4,68-5,20 SAND, very-fine, silty, clayey seems in lower part, bioturbated, many shell fragments, dark grey 5Y 4/1
			5			
				•••••		5,20-5,43 SAND, very fine, laminated, slightly micaceous, light grey 10YR 7/1

Kern I						
Gas I						
			6			
			m			
					Clay Silt F M C Gr Pb	
					0.0039 0.0625 0.125 0.25 0.5 1 2 4 64	
					mm	
13.09.2000	PK					Position in ED50 Latitude 55 26,7317' Longitude 06 29,4773'
Date	Described by					Geological Survey of Denmark and Greenland

SEDIMENTOLOGICAL CORE LOG

CORE NR.: AGIP S1-4

LINE: AGIP 06A

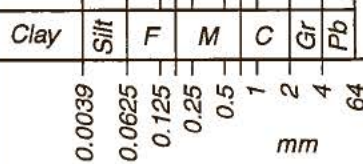
FIX: 03.17.50

WATER DEPTH: 38,5

Sample depth	Core	Box	Scale	Lithology	Grain size & Sedimentary structure	Description
Stratigr.	VI					
	V		1			0,22-2,43 SAND, very fine - fine, slightly silty, some gyttja, in upper part, shells and shell fragments, bioturbation, piece of wood at base, grey 5Y 5/1
	IV		2			
	III		3			2,43-2,97 CLAY, silty, laminated, sand pots, bioturbated, shell fragments, grey 5Y 5/1
Kem III						3,22-3,58 CLAY, silty, laminated, sand pots, bioturbated, shell fragments and wood fragments, grey 5Y 5/1
Gas III						
	II		4			3,58-3,63 SAND, fine, slightly silty, rich in organic material in lower part dark grey 5Y 5/1-4/1
Kem II						3,63-3,80 CLAY, silty, contorted, dark grey 5Y 4/1
Gas II						
	I		5			3,80-3,97 SAND, fine, laminated, contorted, organic particles, rotlets, light grey 10YR 7/2
Kem I						4,22-4,97 SAND, very fine, slightly silty in upper part, laminated, fine organic particles, wood fragments in lower part, grey 10YR 7/1
Gas I						
			6			

Position in ED50
 Latitude 55 26,7257'
 Longitude 06 31,9802'

20.09.2000 PK
 Date Described by



Geological Survey of Denmark and Greenland



SEDIMENTOLOGICAL CORE LOG

CORE NR.: AGIP S1-5

LINE: AGIP 05

FIX: 05,59,12

WATER DEPTH: 39,3m

Sample depth	Core	Box	Scale	Lithology	Grain size & Sedimentary structure	Description
Stratigr.						
	VI		1	[Lithology: Dotted pattern]	[Grain size & Sedimentary structure: Dotted pattern]	0,20-2,88 SAND, very fine, weak lamination, few seems with gyttja, few clay seems, one wood fragment, bioturbated, few shells and shell fragments, grey 5Y 5/1
	V		2	[Lithology: Dotted pattern]	[Grain size & Sedimentary structure: Dotted pattern]	
	IV		3	[Lithology: Dotted pattern]	[Grain size & Sedimentary structure: Dotted pattern]	
	III		4	[Lithology: Dotted pattern]	[Grain size & Sedimentary structure: Dotted pattern]	2,88-3,88 SAND, very fine, silty, few shells and shell fragments, bioturbated, grey 5Y 5/1
	Kem III					
	Gas III					
	II		4	[Lithology: Horizontal lines]	[Grain size & Sedimentary structure: Horizontal lines]	2,88-4,62 SAND, very fine, silty, clay seems in lower part, horizontal layering, bioturbated ?, shell fragments, few wood fragments, grey 5Y 5/1
	Kem II					
	Gas II					
	I		5	[Lithology: Horizontal lines]	[Grain size & Sedimentary structure: Horizontal lines]	4,88-5,62 CLAY, slightly silty, sand pots, bioturbated, few shell fragments, dark grey-very dark grey 5Y 4/1 - 5Y 3/1
	Kem I					
	Gas I					
			6			Position in ED50 Latitude 55 28,0707' Longitude 06 28,9303

HS

HS

HS

HL

14.09.2000 PK
Date Described by

Clay	Silt	F	M	C	Gr	Pb
0.0039	0.0625	0.125	0.25	0.5	1	2
					4	64
mm						

Geological Survey of Denmark and Greenland



SEDIMENTOLOGICAL CORE LOG

CORE NR.: AGIP S1-6

LINE: AGIP 05

FIX: 06,08,82

WATER DEPTH: 39,8m

Sample depth	Core	Box	Scale	Lithology	Grain size & Sedimentary structure	Description																																			
Stratigr.																																									
	VI					0,20-0,72 SAND, very fine, slightly silty, some gyttja, contorted bedding, bioturbation, few shell fragments, dark grey 5Y 4/1																																			
	V		1			0,72-3,02 SAND, very fine, silty, some gyttja in uppermost part, few wood fragments, shells and shell fragments, bioturbated, grey - dark grey 5Y 5/1 - 4/1																																			
	IV		2																																						
	III		3			3,02-3,47 SAND, very fine, laminated, dissimilated organic particles, grey 10YR 6/1																																			
Kem III																																									
Gas III																																									
	II		4			3,72-4,47 SAND, very fine - fine, fining upward, laminated, wood fragment, dissimilated organic particles, grey 10YR 6/1																																			
Kem II																																									
Gas II																																									
	I		5			4,72-5,47 SAND, very fine and fine, laminated, few clayey lamina, dissimilated fine organic particles, Grey 10YR 6/1																																			
Kem I																																									
Gas I																																									
			6																																						
			m																																						
					<table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; width: 10%;">Clay</td> <td style="border-right: 1px solid black; width: 10%;">Silt</td> <td style="border-right: 1px solid black; width: 10%;">F</td> <td style="border-right: 1px solid black; width: 10%;">M</td> <td style="border-right: 1px solid black; width: 10%;">C</td> <td style="border-right: 1px solid black; width: 10%;">Gr</td> <td style="width: 10%;">Pb</td> </tr> <tr> <td style="border-right: 1px solid black;">0.0039</td> <td style="border-right: 1px solid black;">0.0625</td> <td style="border-right: 1px solid black;">0.125</td> <td style="border-right: 1px solid black;">0.25</td> <td style="border-right: 1px solid black;">0.5</td> <td style="border-right: 1px solid black;">1</td> <td>2</td> </tr> <tr> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;"></td> <td>4</td> </tr> <tr> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;"></td> <td>64</td> </tr> <tr> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;"></td> <td>mm</td> </tr> </table>	Clay	Silt	F	M	C	Gr	Pb	0.0039	0.0625	0.125	0.25	0.5	1	2							4							64							mm	Position in ED50 Latitude 55 28,4126' Longitude 06 29,8733'
Clay	Silt	F	M	C	Gr	Pb																																			
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						mm																																			
15.09.2000	PK																																								
Date	Described by																																								

Geological Survey of Denmark and Greenland



SEDIMENTOLOGICAL CORE LOG

CORE NR.: AGIP S1-7

LINE: AGIP 05

FIX: 05,35,35

WATER DEPTH: 37,6m

Sample depth	Core	Box	Scale	Lithology	Grain size & Sedimentary structure	Description																											
Stratigr.																																	
	VI		1	•••••		0,2-3,5 SAND, very fine, slightly silty, shells and shell fragments, wood fragments, grey-greyish brown 5Y 5/1-10YR 5/2																											
	V		2	•••••																													
	IV		3	•••••																													
	III			•••••																													
	II		4	•••••		3,7-4,5 SAND, very fine, silty, shell fragments, few wood fragments, grey 5Y 5/1																											
	I		5	•••••		4,7-5,5 SAND, very-fine, silty-very silty, shell fragments, few wood fragments, grey 5Y 5/1																											
			6			Position in ED50 Latitude 55 28,1797' Longitude 06 25,7394'																											
				<table border="1" style="font-size: small; border-collapse: collapse;"> <tr> <td>Clay</td> <td>Silt</td> <td>F</td> <td>M</td> <td>C</td> <td>Gr</td> <td>Pb</td> </tr> <tr> <td>0.0039</td> <td>0.0625</td> <td>0.125</td> <td>0.25</td> <td>0.5</td> <td>1</td> <td>2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4</td> <td>64</td> </tr> <tr> <td colspan="7" style="text-align: center;">mm</td> </tr> </table>	Clay	Silt	F	M	C	Gr	Pb	0.0039	0.0625	0.125	0.25	0.5	1	2						4	64	mm							
Clay	Silt	F	M	C	Gr	Pb																											
0.0039	0.0625	0.125	0.25	0.5	1	2																											
					4	64																											
mm																																	
12.09.2000	PK																																
Date	Described by																																

Geological Survey of Denmark and Greenland



SEDIMENTOLOGICAL CORE LOG

CORE NR.: AGIP S2-1

LINE: AGIP 05

FIX: 06,58,29

WATER DEPTH: 38,4m

Sample depth	Core	Box	Scale	Lithology	Grain size & Sedimentary structure	Description	
Stratigr.							
	VI					0,20-3,25 SAND, very fine, slightly silty, uppermost 0,5m some gyttja, shells and shell fragments, bioturbated, grey 5Y 5/1	
	V		1				
	IV		2				
	III		3				
Kem III							
Gas III							
	II		4			3,50-3,79 SAND, very fine, slightly silty, many shell fragments, bioturbated, dark grey 5Y 4/1 3,79-4,04 SAND, very fine, area with gyttja, slightly micaceous, light grey 10YR 7/1	
Kem II						4,04-4,25 PEAT, upper part laminated with sand lamina	
Gas II							
	I		5			4,50-4,75 SAND, very fine, slightly silty, many lamina rich in plant fragments, dark grey 10YR 4/1 4,75-5,25 SAND, very fine, few lamina rich in plant fragments, grey 5Y 5/1	
Kem I							
Gas I							
			6				
			m		Clay Silt F M C Gr Pb 0.0039 0.0625 0.125 0.25 0.5 1 2 4 64 mm	Position in ED50 Latitude 55 29,5537' Longitude 06 32,2531'	
16.09.2000	PK						
Date	Described by						

Geological Survey of Denmark and Greenland



SEDIMENTOLOGICAL CORE LOG

CORE NR.: AGIP S3-3

LINE: AGIP 04

FIX: 22,21,80

WATER DEPTH: 36,6m

Sample depth	Core	Box	Scale	Lithology	Grain size & Sedimentary structure	Description
Stratigr.						
	VI			•••••		0,20-0,71 SAND, medium and medium to fine, laminated, few wood fragments, grey 10YR 6/1
			1	•••••		0,71-3,46 SAND, fine, slightly silty, laminated, with beds with sand medium, few clasts, many small wood fragments, grey 10YR 5/1-6/1
	V			•••••		
			2	•••••		
	IV			•••••		
			3	•••••		
Kem III				•••••		
Gas III				•••••		3,71-4,04 SAND, very fine, laminated, slightly micaceous, dissiminated, fine organic particles, grey 10YR 5
	II		4	•••••		4,04-4,26 SAND, medium, laminated, with organic particles, contorted, stones at base, grey 10YR 7/2
				•••••		4,26-4,46 SAND, very fine, laminated slightly micaceous, fine organic particles lamina, contorted, grey 10YR 5/1
Kem II				•••••		
Gas II				•••••		4,71-5,46 SAND, very fine and fine, laminated, fine organic particles and few wood fragments, grey 10YR 5/1
	I		5	•••••		
Kem I				•••••		
Gas I				•••••		
			6	•••••		
			m		Clay Silt F M C Gr Pb	
					0.0039 0.0625 0.125 0.25 0.5 1 2 4 64 mm	
18.09.2000	PK					Position in ED50 Latitude 55 32,3415' Longitude 06 37,9393'
Date	Described by					Geological Survey of Denmark and Greenland


SEDIMENTOLOGICAL CORE LOG

CORE NR.: AGIP S3-4

LINE: AGIP 05

FIX: 07,29,60

WATER DEPTH: 36,7m

Sample depth	Core	Box	Scale	Lithology	Grain size & Sedimentary structure	Description
Stratigr.						
	VI			•••••		0,20-0,55 SAND, fine, slightly silty, some gyttja, shells and shell fragments, very dark grey-grey 5Y 3/1-5/1 HS
				•••••		0,55-0,70 SAND, very fine, slightly silty, many shells and shell fragments, grey 5Y 5/1 FS
	V		1	•••••		0,70-3,30 SAND, very fine, slightly silty, slightly micaceous, laminated, fine organic particles, in lamina, slightly micaceous, in lower part rounded shell fragment and wood fragments, light grey 5Y 6/1 TS
				•••••		
	IV		2	•••••		
				•••••		
	III		3	•••••		
				•••••		
Kem III				•••••		3,55-3,81 SAND, very fine, slightly silty, laminated, fine organic particles, grey 5Y 6/1 TS
Gas III				•••••		
	II		4	•••••		3,81-3,92 SAND, medium, laminated, fine organic particles, grey 5Y 6/1 TS
				•••••		3,92-4,30 SAND, very fine, slightly silty at base and top, laminated, fine organic particles, grey 5Y 5/1-6/1 TS
Kem II				•••••		
Gas II				•••••		
	I		5	•••••		5,55-5,30 SAND, very fine, slightly silty, laminated, fine organic particles, grey 5Y 5/1-6/1 TS
				•••••		
Kem I				•••••		
Gas I				•••••		
			6	•••••		
			m	•••••		
				•••••		
				Position in ED50 Latitude 55 31,0814' Longitude 06 35,1983'		
				Clay	Silt	F
				M	C	Gr
				Pb		
				0.0039	0.0625	0.125
				0.25	0.5	1
				2	4	64
				mm		
19,09,2000	PK					
Date	Described by					
				Geological Survey of Denmark and Greenland		
						

SEDIMENTOLOGICAL CORE LOG

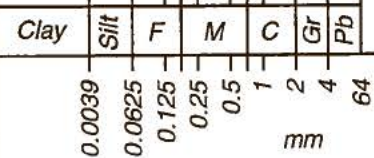
CORE NR.: AGIP S3-5

LINE: AGIP 05

FIX: 08,22,09 WATER DEPTH: 34,9m

Sample depth	Core	Box	Scale	Lithology	Grain size & Sedimentary structure	Description
Stratigr.						
	VI					0,20-0,36 SAND, very fine, slightly silty, some gyttja, shell fragments, very dark grey 5Y 3/1
	V		1			0,36-3,10 SAND, very fine and fine, laminated, slightly micaceous, fine organic particles, very few gravel clasts, grey-light grey 5Y 5/1 - 10YR 7/2
	IV		2			
	III		3			
Kern III						
Gas III						
	II		4			3,35-4,10 SAND, medium and medium - fine, laminated, dissiminated fine organic particles, light grey 10YR-7/2
Kern II						
Gas II						
	I		5			4,35-5,10 SAND, medium and fine, laminated, fine organic particles in lower part in laminae, light grey 10YR 7/2
Kern I						
Gas I						
			6			
			m			

Position in ED50
 Latitude 55 33,6153'
 Longitude 06 40,0943'



19,09,2000 PK
 Date Described by

SEDIMENTOLOGICAL CORE LOG

CORE NR.: AGIP S5-1

LINE: AGIP 01

FIX: 21,47,10

WATER DEPTH: 40,9m

Sample depth	Core	Box	Scale	Lithology	Grain size & Sedimentary structure	Description																											
Stratigr.																																	
	VI					0,20-2,66 SAND, fine, laminated, at 0,20m and 0,40m few gravel and stones, dissiminated fine organic particles, grey 10YR 7/2																											
	V		1																														
	IV		2																														
	III		3			2,66-3,41 SAND, fine, laminated, contorted, dissiminated fine organic particles in some lamina, grey 10YR 7/2																											
Kem III																																	
Gas III																																	
	II		4			3,66-4,40 SAND, fine-very fine, laminated, contorted, fine organic particles in some lamina, grey 10YR 6/1																											
Kem II																																	
Gas II																																	
	I		5			4,66-5,41 SAND, fine-very fine, laminated, dissiminated fine organic particles in some lamina, grey 10YR 6/1																											
Kem I																																	
Gas I																																	
			6			Position in ED50 Latitude 55 48,6920' Longitude 06 21,2343'																											
			m		<table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black;">Clay</td> <td style="border-right: 1px solid black;">Silt</td> <td style="border-right: 1px solid black;">F</td> <td style="border-right: 1px solid black;">M</td> <td style="border-right: 1px solid black;">C</td> <td style="border-right: 1px solid black;">Gr</td> <td>Pb</td> </tr> <tr> <td style="border-right: 1px solid black;">0.0039</td> <td style="border-right: 1px solid black;">0.0625</td> <td style="border-right: 1px solid black;">0.125</td> <td style="border-right: 1px solid black;">0.25</td> <td style="border-right: 1px solid black;">0.5</td> <td style="border-right: 1px solid black;">1</td> <td>2</td> </tr> <tr> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;"></td> <td style="border-right: 1px solid black;">4</td> <td>64</td> </tr> <tr> <td colspan="7" style="border-top: 1px solid black;">mm</td> </tr> </table>	Clay	Silt	F	M	C	Gr	Pb	0.0039	0.0625	0.125	0.25	0.5	1	2						4	64	mm						
Clay	Silt	F	M	C	Gr	Pb																											
0.0039	0.0625	0.125	0.25	0.5	1	2																											
					4	64																											
mm																																	
21.09.2000	PK																																
Date	Described by																																

Geological Survey of Denmark and Greenland



SEDIMENTOLOGICAL CORE LOG

CORE NR.: AGIP S5-3

LINE: AGIP 02

FIX: 16,00,30

WATER DEPTH: ~41m

Sample depth	Core	Box	Scale	Lithology	Grain size & Sedimentary structure	Description
Stratigr.						
	VI			•••••		0,20-0,53 SAND, very fine, silty, shells and shell fragments, grey 5Y 5/1
	V		1	•••••		0,53-3,07 SAND, very fine, silty, some gyttja, shells and shell fragments, bioturbation, dark grey 5Y 4/1
	IV		2	•••••		
	III		3	•••••		
Kern III						
Gas III						
	II		4	••••• ▬▬▬▬▬		3,32-3,76, SAND, very fine, silty, some gyttja, several clay seams in lowermost part, shells and shell fragments, bioturbated, grey 5Y 5/1
Kern II						
Gas II						
	I		5	▬▬▬▬▬ ▬▬▬▬▬ ▬▬▬▬▬		4,32-5,07 CLAY, silty, laminated, some sand pots, bioturbated, shells and shell fragments, grey 5Y 5/1
Kern I						
Gas I						
			6			
			m			

Position in ED50
Latitude 55 46,2952'
Longitude 06 17,0603'

20.09.2000 PK
Date Described by

Clay	Silt	F	M	C	Gr	Pb
0.0039	0.0625	0.125	0.25	0.5	1	2
					4	64
mm						

Geological Survey of Denmark
and Greenland



SEDIMENTOLOGICAL CORE LOG

CORE NR.: AGIP S5-4

LINE: AGIP 02

FIX: 15.03,80

WATER DEPTH: ~41m

Sample depth	Core	Box	Scale	Lithology	Grain size & Sedimentary structure	Description																												
Stratigr.																																		
	VI			•••••		0,20-1,72 SAND, very fine-fine, silty, some gyttja at top, shell and shell fragments, wood fragment, clay seams in lower part, bioturbated, grey 5Y 5/1																												
	V		1	•••••																														
	IV		2	▬▬▬▬▬		1,72-2,30 SAND, very fine, laminated, few fine sand lamina, slightly silty in upper part, few shell fragments, some organic particles, grey 5Y 5/1																												
	III		3	▬▬▬▬▬		2,30-2,65 SAND, medium-fine, laminated, some clasts, few shell fragments, grey-yellowish brown 5Y 5/1 - 10YR 5/4																												
				▬▬▬▬▬		2,65-3,47 SAND, laminated, fine-very fine, disseminated, fine organic particles on lamina, contorted, light grey 10YR 7/1																												
Kem III																																		
Gas III																																		
	II		4	•••••		3,72-4,47 SAND, fine-very fine, laminated, few lamina with medium sand, contorted, fine organic particles, some laminae, grey-light grey 5Y 6/1 - 10YR 7/2																												
Kem II																																		
Gas II																																		
	I		5	▬▬▬▬▬		4,72-4,98 SAND, fine, laminated, fine organic particles, grey 10YR 7/2																												
				▬▬▬▬▬		4,98-4,47 CLAY, silty, laminated, silt lamina, grey brown 10YR 5/2 and light greybrown 10YR 6/2																												
Kem I																																		
Gas I																																		
			6			Position in ED50 Latitude 55 49,5081' Longitude 06 20,0824																												
			m		<table style="margin: auto; border: none;"> <tr> <td style="padding: 0 5px;">Clay</td> <td style="padding: 0 5px;">Silt</td> <td style="padding: 0 5px;">F</td> <td style="padding: 0 5px;">M</td> <td style="padding: 0 5px;">C</td> <td style="padding: 0 5px;">Gr</td> <td style="padding: 0 5px;">Pb</td> </tr> <tr> <td style="padding: 0 5px;">0.0039</td> <td style="padding: 0 5px;">0.0625</td> <td style="padding: 0 5px;">0.125</td> <td style="padding: 0 5px;">0.25</td> <td style="padding: 0 5px;">0.5</td> <td style="padding: 0 5px;">1</td> <td style="padding: 0 5px;">2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="padding: 0 5px;">4</td> <td style="padding: 0 5px;">64</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2" style="text-align: center;">mm</td> </tr> </table>	Clay	Silt	F	M	C	Gr	Pb	0.0039	0.0625	0.125	0.25	0.5	1	2						4	64						mm		
Clay	Silt	F	M	C	Gr	Pb																												
0.0039	0.0625	0.125	0.25	0.5	1	2																												
					4	64																												
					mm																													
21.09.2000	PK																																	
Date	Described by																																	
				<p style="font-size: small;">Geological Survey of Denmark and Greenland</p>																														

SEDIMENTOLOGICAL CORE LOG

CORE NR.: AGIP S5-5

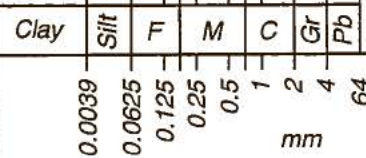
LINE: AGIP 02

FIX: 17,11,46

WATER DEPTH: ~41m

Sample depth	Core	Box	Scale	Lithology	Grain size & Sedimentary structure	Description
Stratigr.						
	VI		1	[Dotted pattern]	[Dotted pattern]	0,20-1,23 SAND, very-fine, slightly silty, few areas with gyttja, shell fragments, bioturbated, olive grey 5Y 5/2 HS
	V			[Horizontal lines]	[Horizontal lines]	1,23-1,73 CLAY, silty, many sand pots and streaks, some gyttja, shells and shell fragments, bioturbated, grey 5Y 5/1 HL
	IV		2	[Horizontal lines]	[Horizontal lines]	1,73-2,71 CLAY, silty, many sand pots and streaks, some gyttja, shells and shell fragments, bioturbated, dark grey 5Y 4/1 HL
	III		3	[Dotted pattern]	[Dotted pattern]	2,71-2,74 SAND, medium and fine, shell fragments, light grey 10YR 7/2 HS 2,74-2,97 CLAY, silty, sand layers and lamina, laminated, few lamina rich in organic rest, shell fragments dark grey 5Y 4/1 HL 2,97-3,49 SAND, fine-medium, laminated, few shell fragments, few clay seams, grey 5Y 6/1 HS
Kem III						
Gas III						
	II		4	[Dotted pattern]	[Horizontal lines]	3,74-4,10 SAND, medium -fine, laminated, clay layers, shells and shell fragments, grey 5Y 5/1 HS 4,10-4,49 CLAY, sand layers, laminated, layers rich in organic material, shells and shell fragments, grey 5Y 5/1 HL
Kem II						
Gas II						
	I		5	[Horizontal lines]	[Horizontal lines]	4,74-5,50 CLAY-SAND, fine to very fine, laminated, lamina rich in organic material and gyttja, few shells and shell fragments, grey-very dark grey 5Y 5/1 - 5Y 3/1 HV
Kem I						
Gas I						
			6			Position in ED50 Latitude 55 42,1544' Longitude 06 13,7463'

22.09.2000 PK
Date Described by



Geological Survey of Denmark and Greenland




SEDIMENTOLOGICAL CORE LOG

CORE NR.: AGIP S5-6A

LINE: A

FIX:

WATER DEPTH: ~41m

Sample depth	Core	Box	Scale	Lithology	Grain size & Sedimentary structure	Description						
Stratigr.												
	VI		1	•••••		0,20-1,48 SAND, very fine, silty, some gyttja, shells and shell fragments, shells at base, bioturbated, grey 5Y 5/1						
	V			•••••								
	IV		2	•••••		1,48-1,68 SAND, very fine, silty, laminated, dissiminated fine organic particles, grey 5Y 6/1						
				•••••		1,68-3,43 SAND, very fine, laminated, slightly silty, and some laminae with fine to medium sand, fine organic particles in some lamina, grey-light grey 5Y 5/1-10YR 7/2						
	III		3	•••••								
Kem III												
Gas III												
	II		4	•••••		3,68-4,43 SAND, very fine, laminated, slightly silty, lamina with fine-medium sand and clay lamina, dissiminated fine organic particles in some lamina, grey-light grey 5Y 5/1-10YR 7/2						
Kem II												
Gas II												
	I		5	•••••		SAND, laminated, very fine, slightly silty, some clay lamina, fine organic particles dissiminated in some lamina, lamination disrupted due to coring, grey-light grey 5Y 5/1-10YR 7/2						
Kem I												
Gas I												
			6									
			m									
				Clay	Silt	F	M	C	Gr	Pb		
				0.0039	0.0625	0.125	0.25	0.5	1	2	4	64
				mm								
02.10.2000 PK												
Date Described by												
				Position in ED50 Latitude 55 43,6437' Longitude 06 10,8794'								
				Geological Survey of Denmark and Greenland								
												


SEDIMENTOLOGICAL CORE LOG

CORE NR.: AGIP S6-1

LINE: 578208

FIX: 26461

WATER DEPTH:

Sample depth	Core	Box	Scale	Lithology	Grain size & Sedimentary structure	Description																												
Stratigr.	V					0,20-0,55 SAND, fine-very fine, silty, shells and shell fregmants, dark grey 5Y 4/1																												
	IV		1			0,55-2,18 SAND, laminated, medium-coarse, few gravel size clasts, light grey 10YR 7/1																												
	III		2																															
Kern III Gas III																																		
	II		3			2,43-3,18 SAND, laminated, medium and coarse, few lamina with very coarse sand, few clasts of fine gravel, light grey 10YR 7/2																												
Kern II Gas II																																		
	I		4			3,43-4,18 SAND, laminated, medium and coarse, few lamina with very coarse, few clasts of fine gravel, light grey 10YR 7/2																												
Kern I Gas I																																		
			5																															
			6																															
			m																															
				<table style="margin: auto; border: none;"> <tr> <td style="padding: 0 5px;">Clay</td> <td style="padding: 0 5px;">Silt</td> <td style="padding: 0 5px;">F</td> <td style="padding: 0 5px;">M</td> <td style="padding: 0 5px;">C</td> <td style="padding: 0 5px;">Gr</td> <td style="padding: 0 5px;">Pb</td> </tr> <tr> <td style="padding: 0 5px;">0.0039</td> <td style="padding: 0 5px;">0.0625</td> <td style="padding: 0 5px;">0.125</td> <td style="padding: 0 5px;">0.25</td> <td style="padding: 0 5px;">0.5</td> <td style="padding: 0 5px;">1</td> <td style="padding: 0 5px;">2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="padding: 0 5px;">4</td> <td style="padding: 0 5px;">64</td> </tr> <tr> <td colspan="7" style="text-align: center;">mm</td> </tr> </table>			Clay	Silt	F	M	C	Gr	Pb	0.0039	0.0625	0.125	0.25	0.5	1	2						4	64	mm						
Clay	Silt	F	M	C	Gr	Pb																												
0.0039	0.0625	0.125	0.25	0.5	1	2																												
					4	64																												
mm																																		
25,09,2000 PK																																		
Date Described by																																		
				Position in ED50 Latitude 55 49,4392' Longitude 06 50,7461'																														
				Geological Survey of Denmark and Greenland																														
																																		

SEDIMENTOLOGICAL CORE LOG

CORE NR.: AGIP S6-5

LINE: B

FIX:

WATER DEPTH:

Sample depth	Core	Box	Scale	Lithology	Grain size & Sedimentary structure	Description																												
Stratigr.																																		
	VI					0,20-0,86 SAND, fine-very fine, slightly silty, many shell fragments, wood fragment at base, bioturbated, grey 5Y 5/1																												
	V		1			0,86-1,03 SAND, very fine, silty, shells and shell fragments, dark grey 5Y 5/1																												
						1,03-1,54 SAND, fine-medium, laminated, few gravel and clay clasts, rootlets, grey 10YR 6/1																												
	IV		2			1,54-2,20 SAND, very fine, laminated, dissimilated fine organic particles, light grey 10YR 7/2																												
						2,20-2,95 SAND, very fine and fine-medium, oblique lamination, few finegravel clasts, dissimilated fine organic particles, light grey 10YR 7/2																												
Kem III Gas III			3			3,20-3,95 SAND, very fine and fine-medium, oblique lamination, dissimilated fine organic particles, 1cm lamina, light grey 10YR 7/2																												
	II																																	
Kem II Gas II			4			4,20-4,95 SAND, very fine and fine, laminated, slightly contorted in top, medium to fine organic particles in lamina, light grey 10YR 7/2																												
	I																																	
Kem I Gas I			5																															
			6																															
			m		<table style="width: 100%; text-align: center; font-size: small;"> <tr> <td>Clay</td> <td>Silt</td> <td>F</td> <td>M</td> <td>C</td> <td>Gr</td> <td>Pb</td> </tr> <tr> <td>0.0039</td> <td>0.0625</td> <td>0.125</td> <td>0.25</td> <td>0.5</td> <td>1</td> <td>2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4</td> <td>64</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2">mm</td> </tr> </table>	Clay	Silt	F	M	C	Gr	Pb	0.0039	0.0625	0.125	0.25	0.5	1	2						4	64						mm		Position in ED50 Latitude 55 50,4525' Longitude 06 46,9228'
Clay	Silt	F	M	C	Gr	Pb																												
0.0039	0.0625	0.125	0.25	0.5	1	2																												
					4	64																												
					mm																													
26.09.2000	PK																																	
Date	Described by																																	

Geological Survey of Denmark
and Greenland



SEDIMENTOLOGICAL CORE LOG

CORE NR.: AGIP S6-5A

LINE: B

FIX:

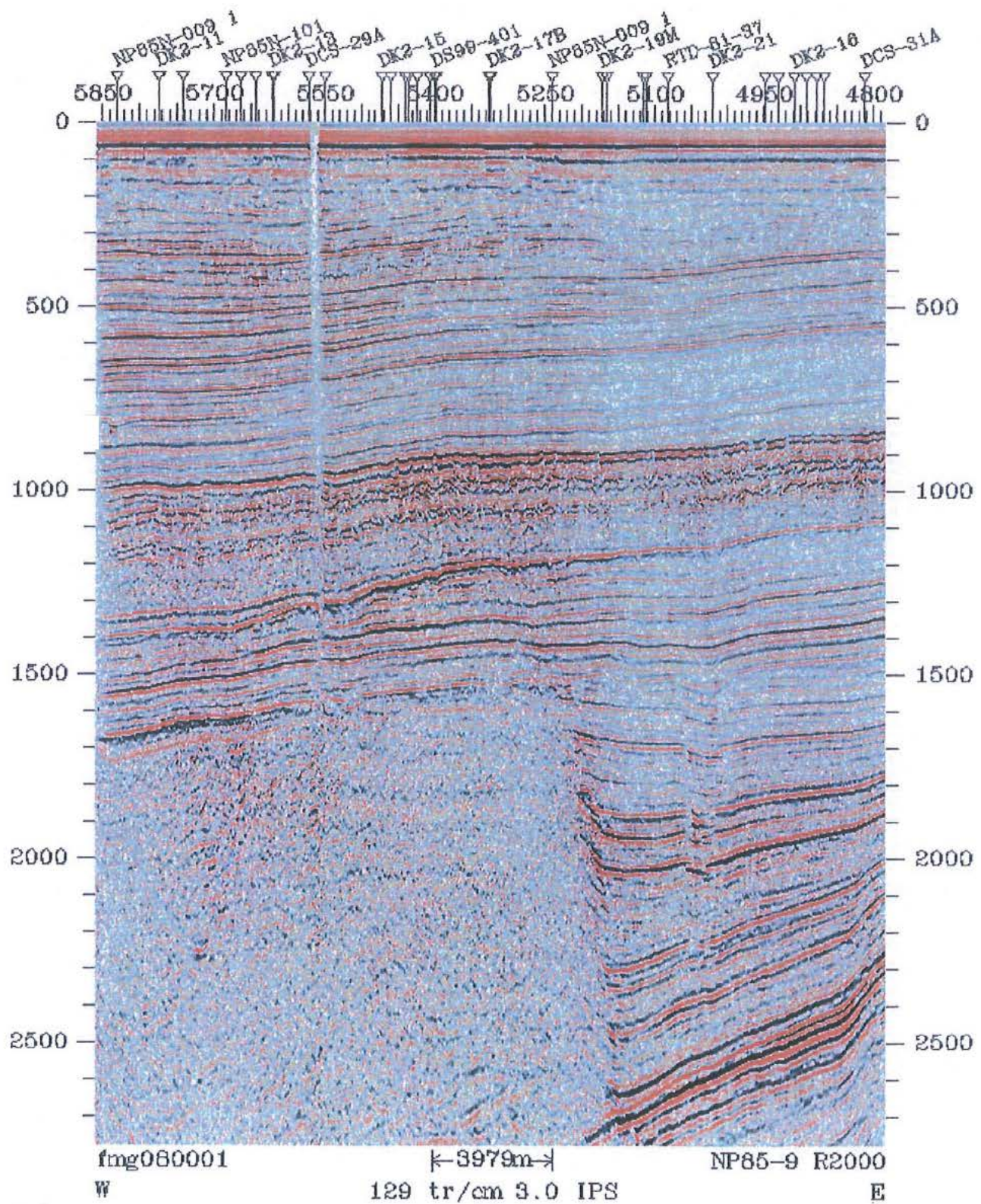
WATER DEPTH:

Sample depth	Core	Box	Scale	Lithology	Grain size & Sedimentary structure	Description																											
Stratigr.																																	
	VI					0,20-0,27 SAND, medium, with fine shell fragments, light yellowish brown, 10YR 6/4 0,27-0,69 SAND, fine, slightly silty, some gyttja, many shells and shell fragments, grey 5Y 5/1 0,69-0,81 SAND, fine-very fine, some gyttja, few shell fragments, clasts at base, dark grey 5Y 5/1 0,81-0,86 SAND, fine-very fine, dissimiated fine organic particles, irregular base, light grey 10YR 7/2 0,86-3,61 SAND, very fine and fine, laminated, dissimiated fine organic particles, stone 10cm at 0,90m, rootlets, light grey 10YR 7/2																											
	V		1																														
	IV		2																														
	III		3																														
Kem III																																	
Gas III																																	
	II		4			3,86-4,61 SAND, laminated, very fine and fine, dissimiated fine organic particles, light grey 10YR 7/2																											
Kem II																																	
Gas II																																	
	I		5			4,86-5,51 SAND, very fine and fine, laminated, dissimiated fine organic particles, light grey 10YR 7/2 5,51-5,61 SAND, very coarse - medium and gravel fine, laminated, few clasts, light grey 10YR 7/2																											
Kem I																																	
Gas I																																	
			6																														
				<table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">Clay</td> <td style="text-align: center;">Silt</td> <td style="text-align: center;">F</td> <td style="text-align: center;">M</td> <td style="text-align: center;">C</td> <td style="text-align: center;">Gr</td> <td style="text-align: center;">Pb</td> </tr> <tr> <td style="text-align: center;">0.0039</td> <td style="text-align: center;">0.0625</td> <td style="text-align: center;">0.125</td> <td style="text-align: center;">0.25</td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">4</td> <td style="text-align: center;">64</td> </tr> <tr> <td colspan="7" style="text-align: center;">mm</td> </tr> </table>	Clay	Silt	F	M	C	Gr	Pb	0.0039	0.0625	0.125	0.25	0.5	1	2						4	64	mm							
Clay	Silt	F	M	C	Gr	Pb																											
0.0039	0.0625	0.125	0.25	0.5	1	2																											
					4	64																											
mm																																	
Position in ED50 Latitude 55 50,4927' Longitude 06,48,9397'																																	
26.09.2000	PK																																
Date	Described by																																

Geological Survey of Denmark and Greenland



Enclosure C

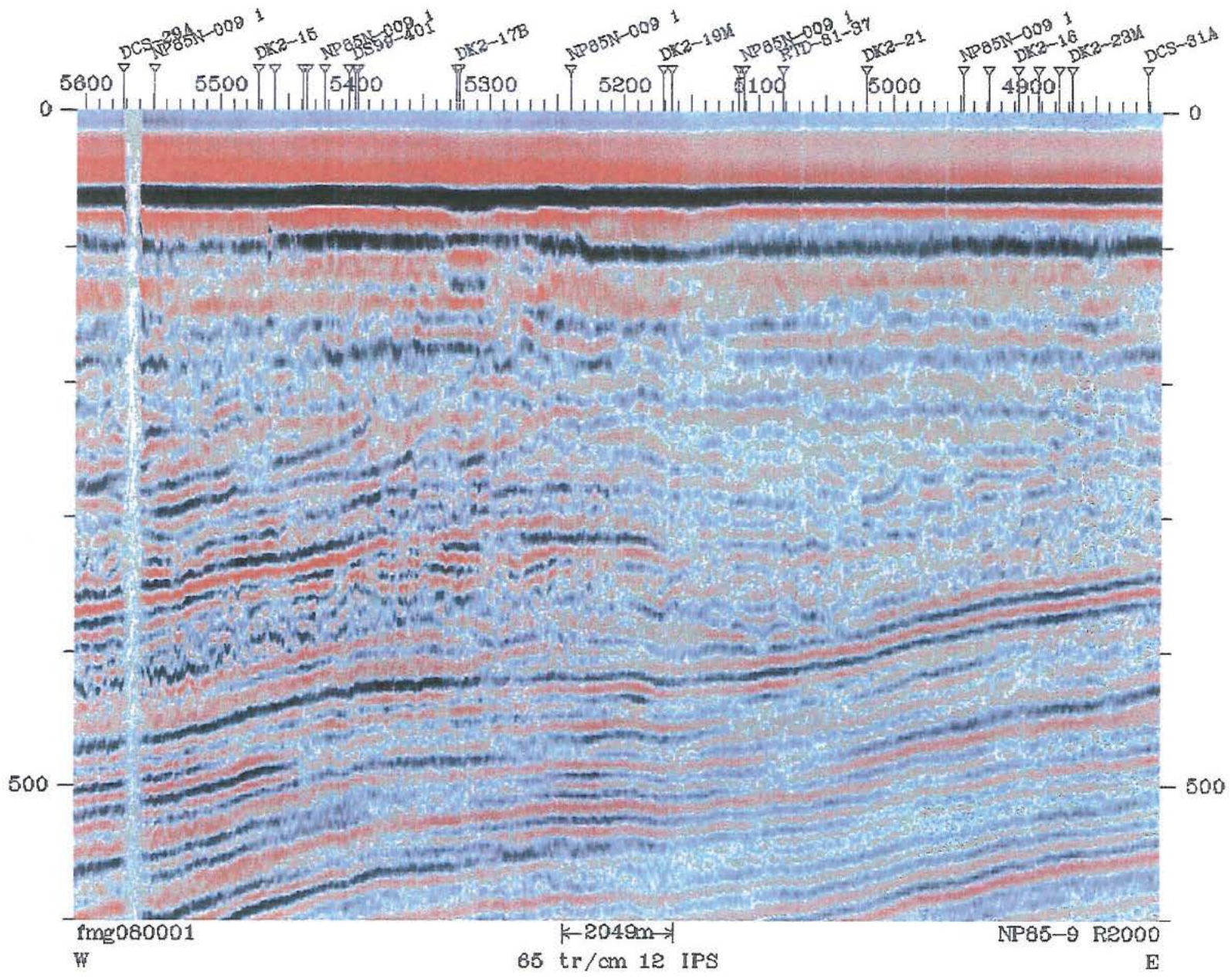


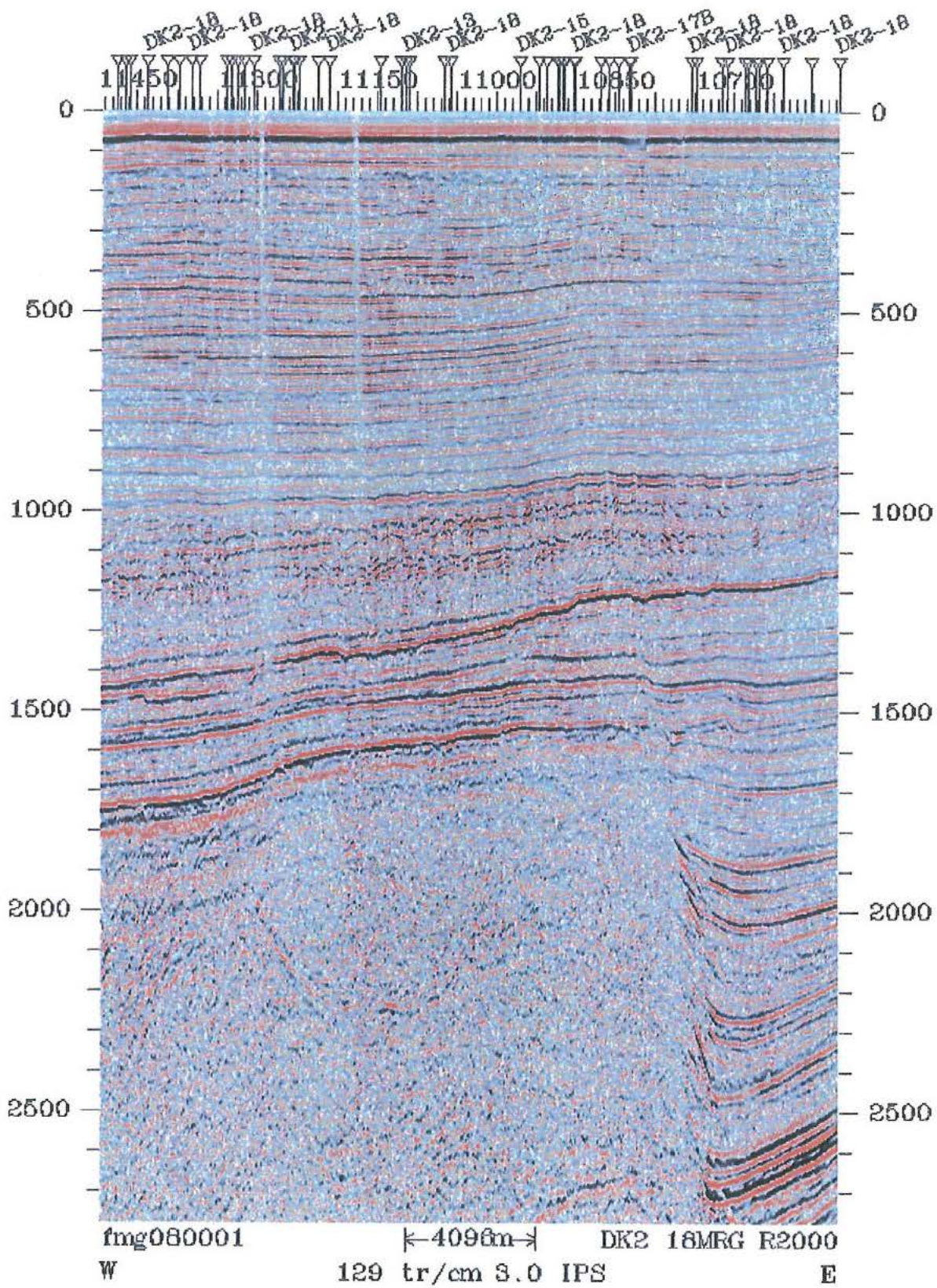
Seismic line NP85-9 R2000

Enclosure C1

Seismic line NP85-9 R2000 zoom

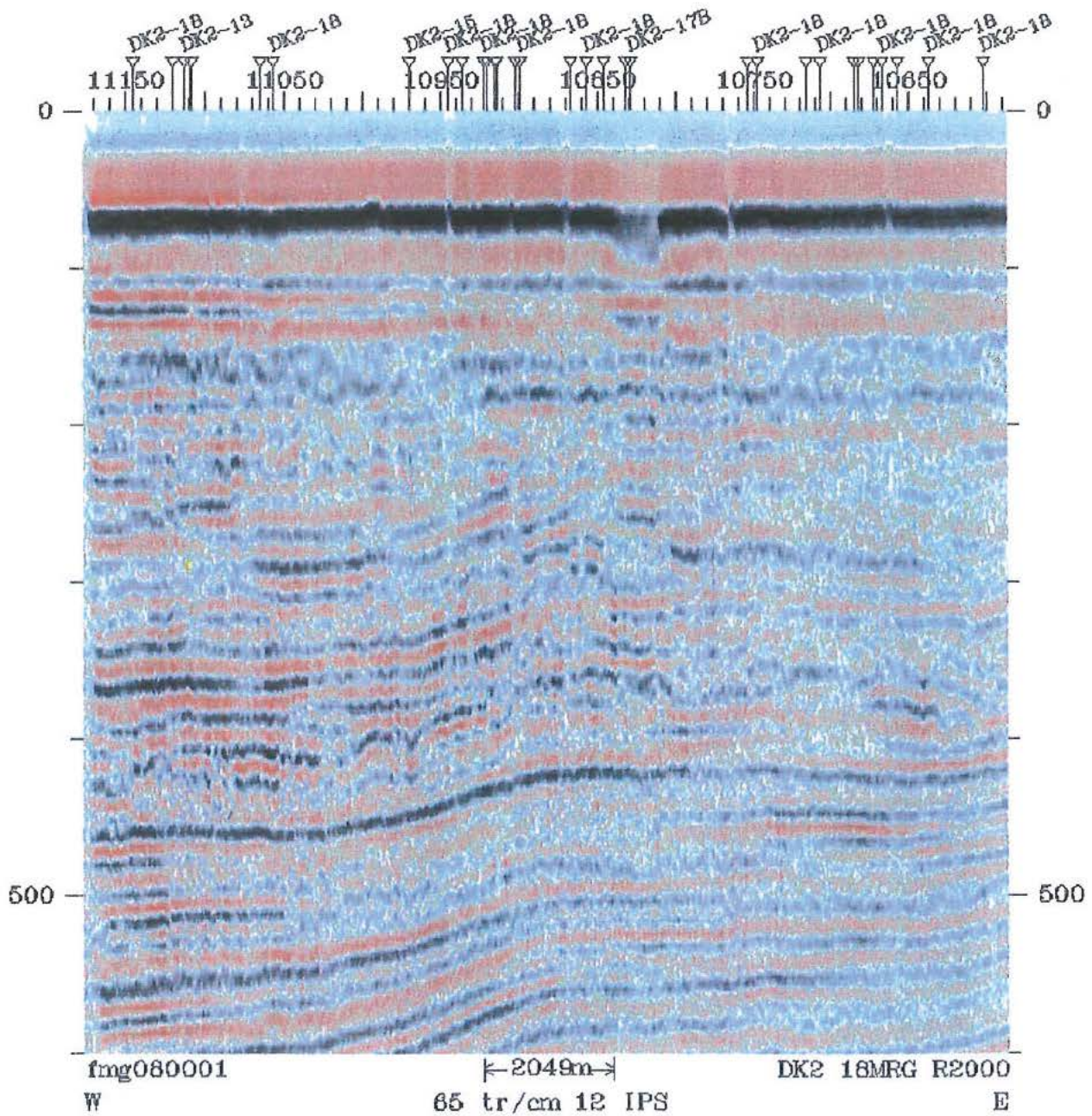
Enclosure C2





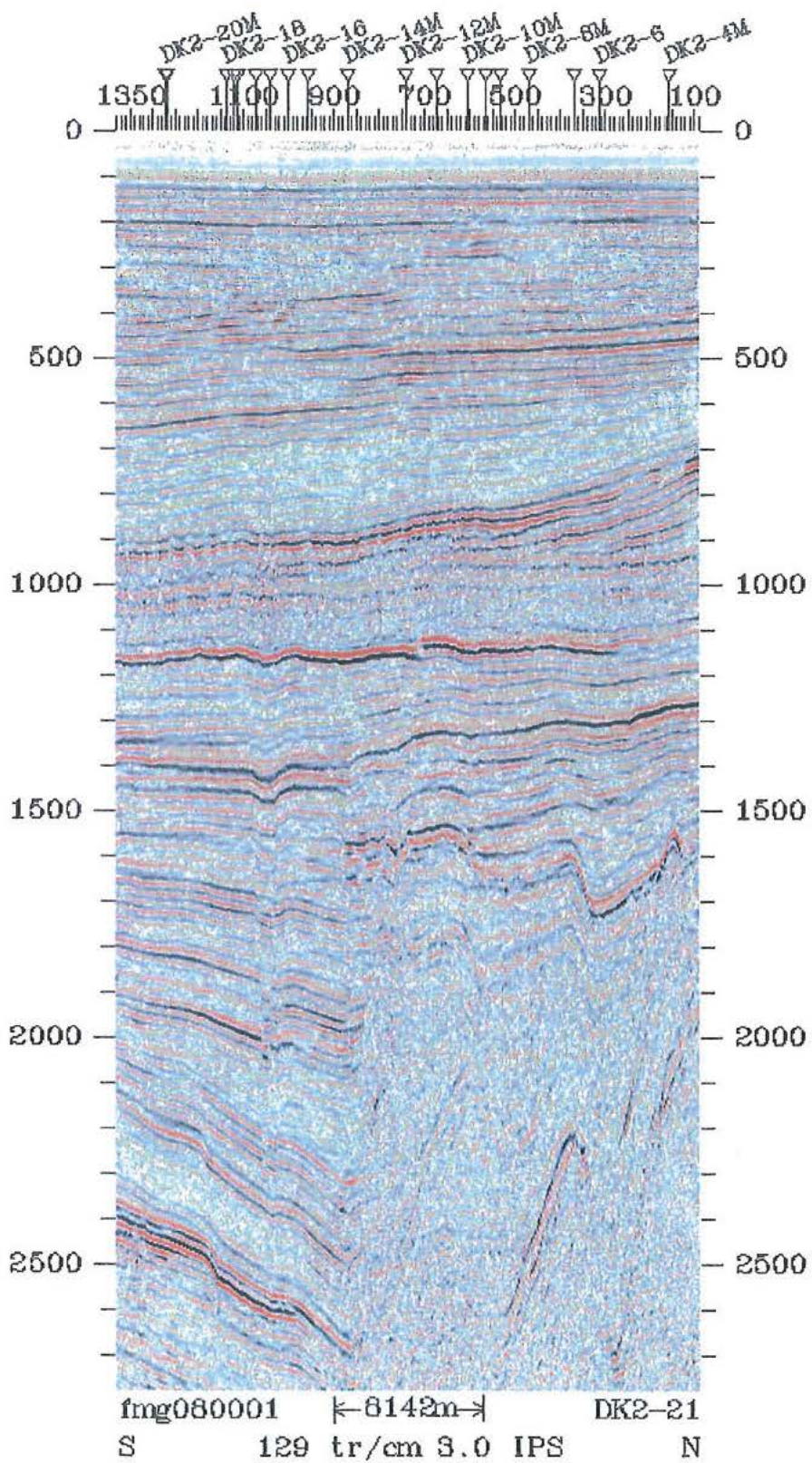
Seismic line DK2 18MRG R2000

Enclosure C3



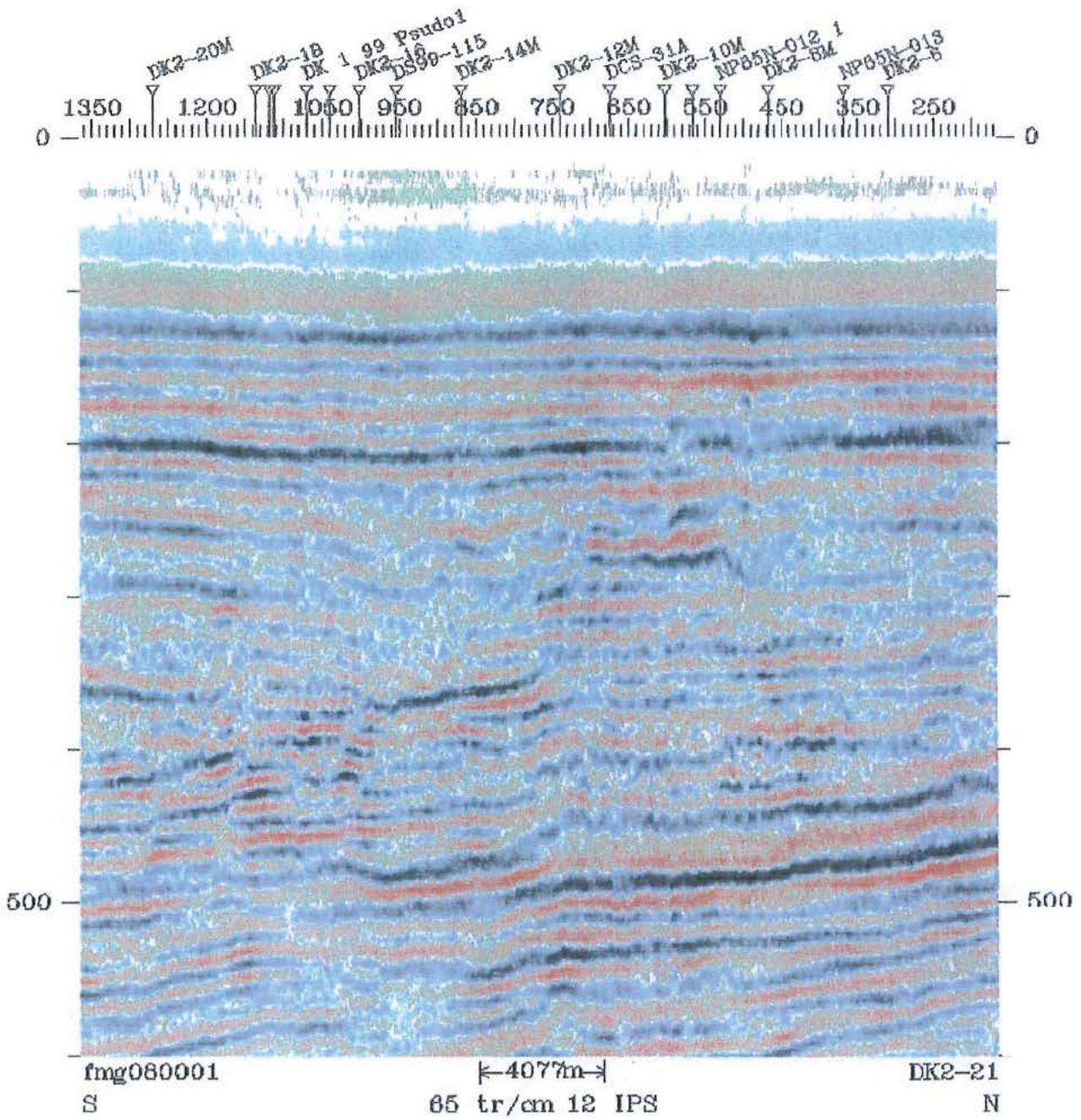
Seismic line DK2 18MRG zoom

Enclosure C4



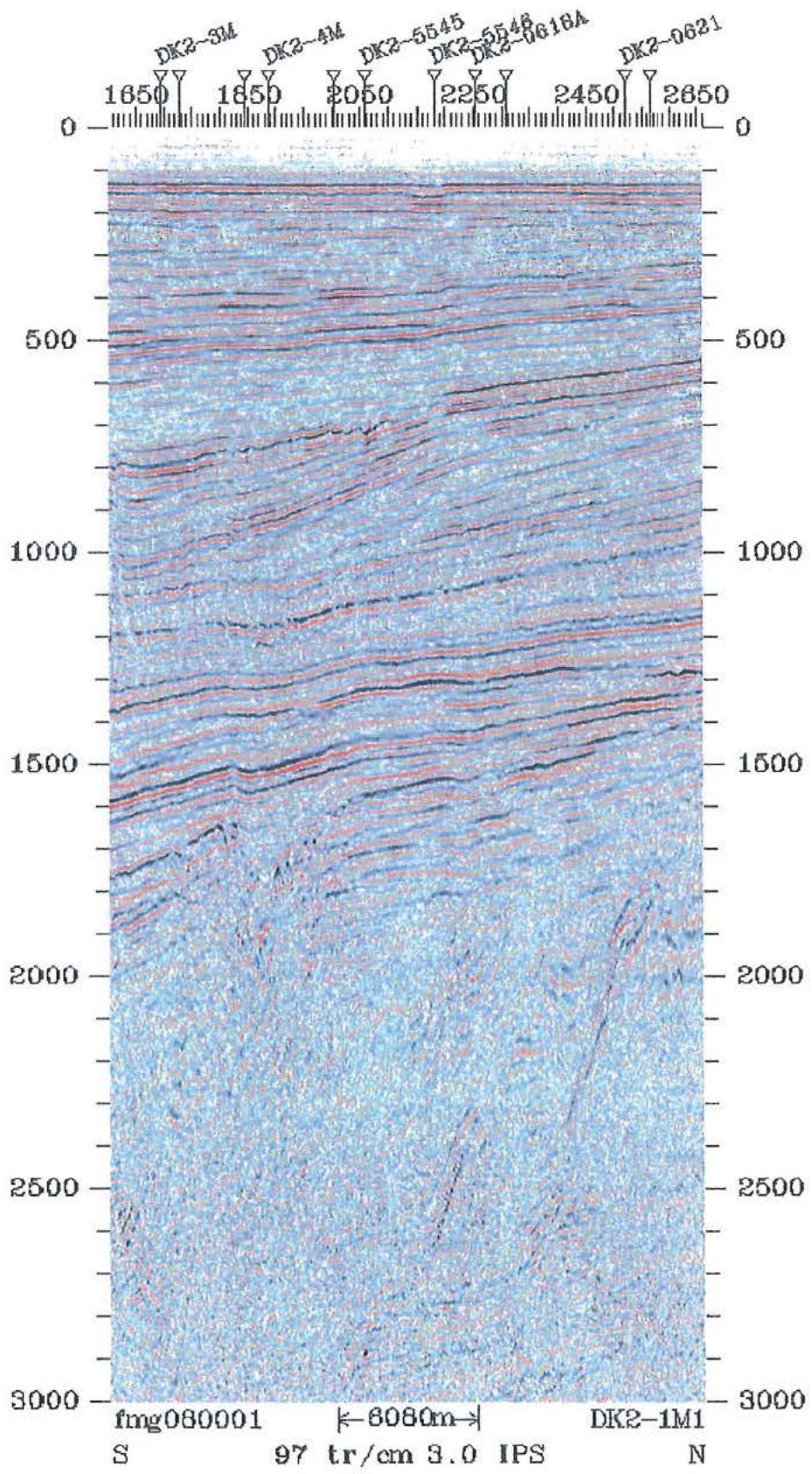
Seismic line DK2-21

Enclosure C5



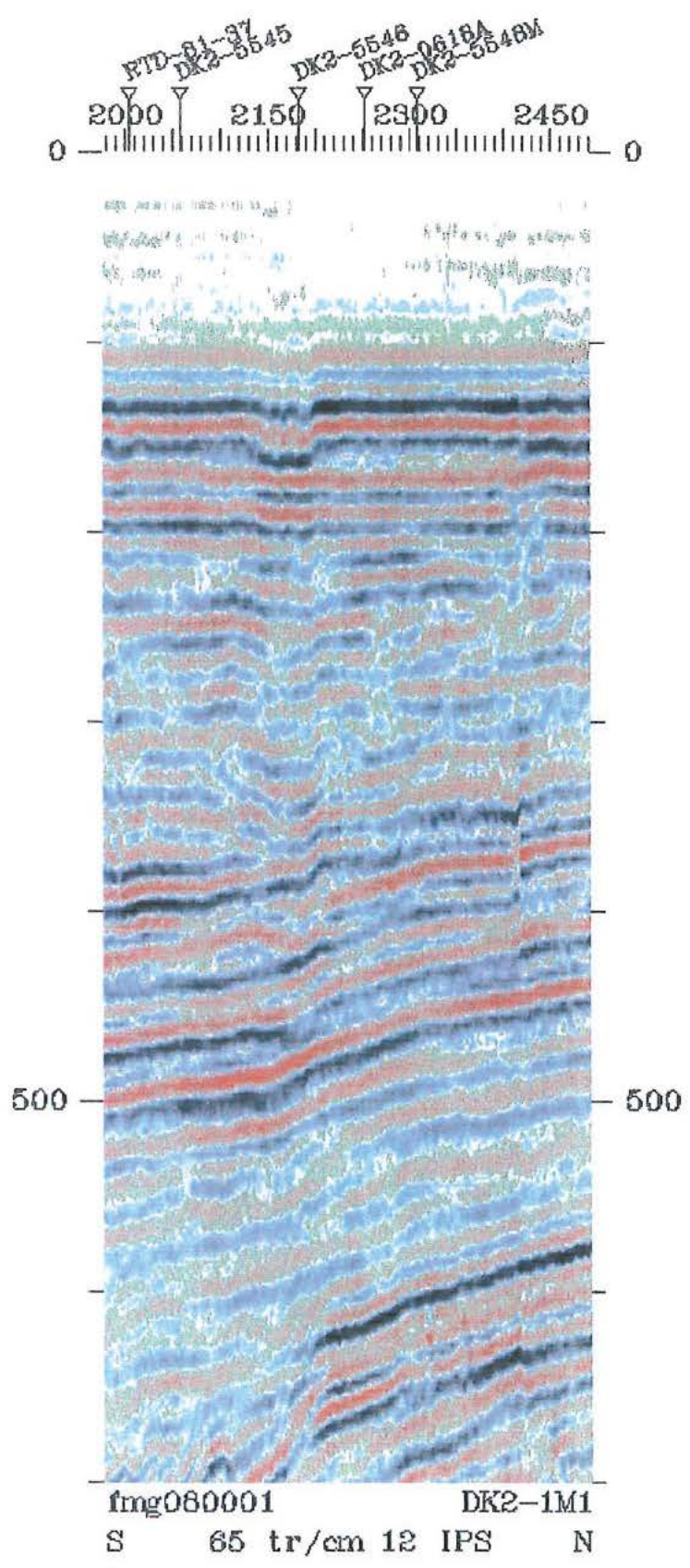
Seismic line DK2-21 zoom

Enclosure C6



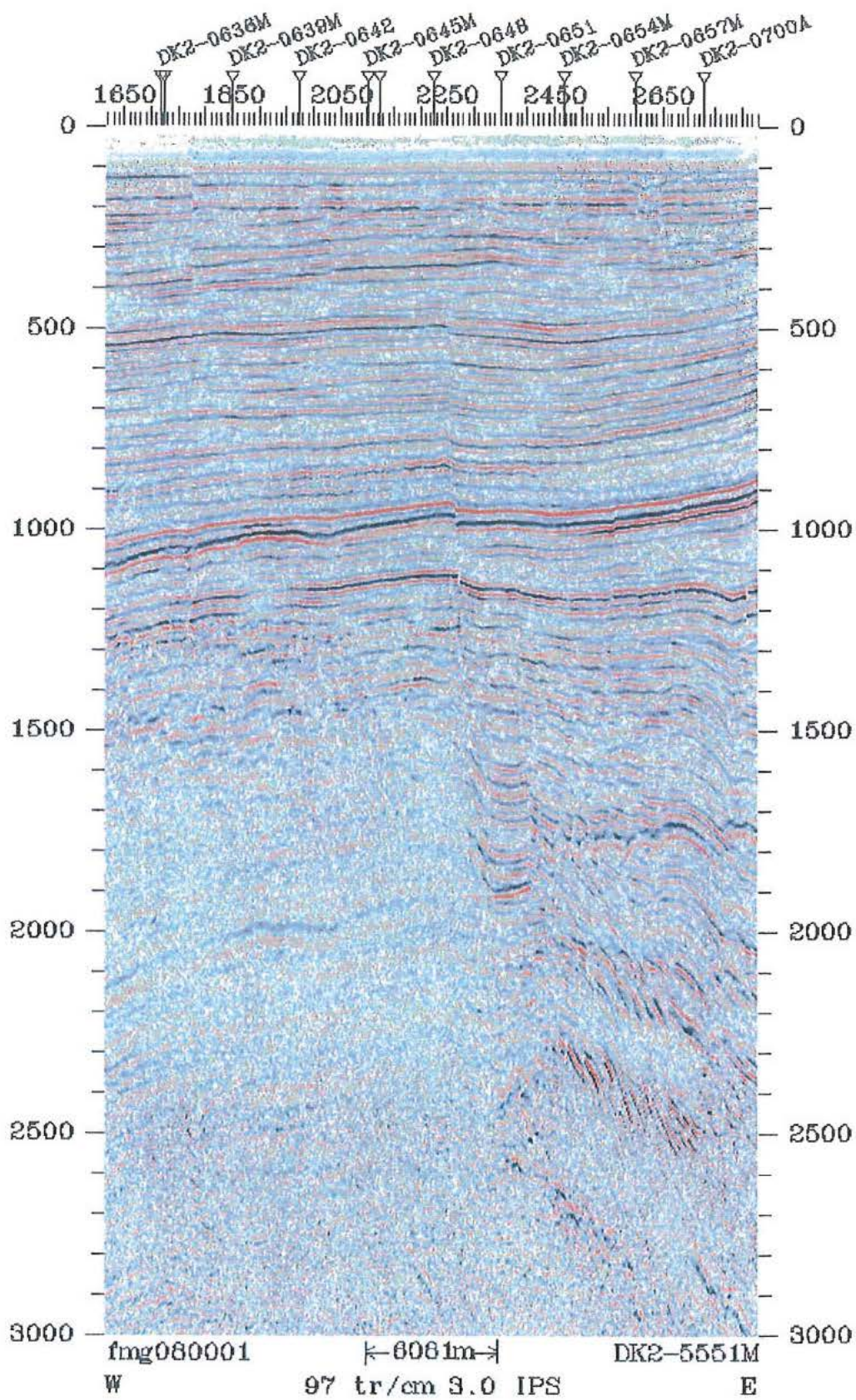
Seismic line DK2-1M1

Enclosure C7



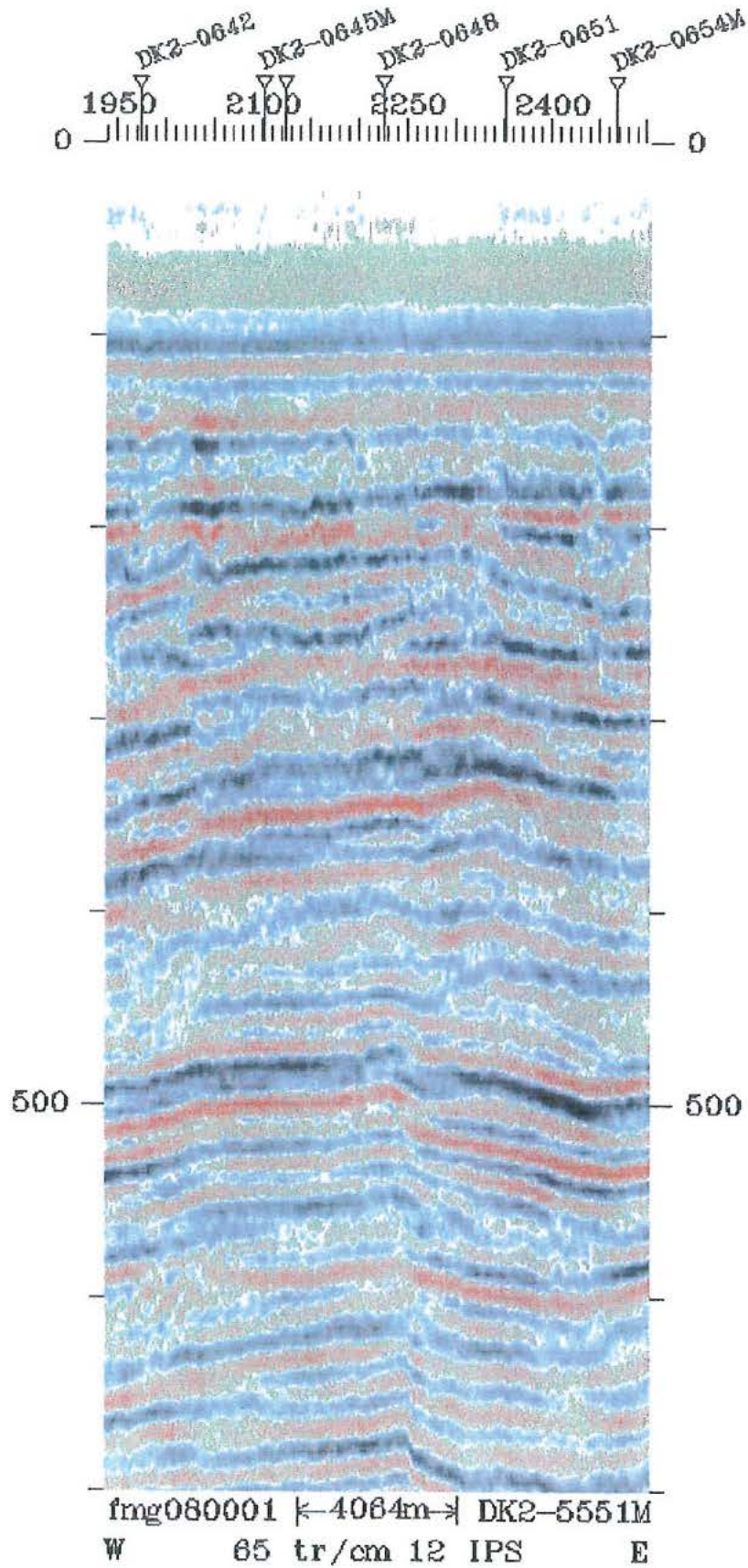
Seismic line DK2-1M1 zoom

Enclosure C8



Seismic line DK2-5551M

Enclosure C9



Seismic line DK2-5551M zoom

Enclosure C10

Enclosure D

Line Agip 6

S 1-1

Late Glacial
Freshwater Sand

Holocene Marine Sand

0 m

3 m

6 m

Enclosure D1.



Line Agip 6

S 1-2

200 m

Holocene Marine Sand

0 m

3 m

6 m

Late Glacial
Freshwater Sand

Enclosure D2.



Line Agip 6

S 3-1

0 200 m

Holocene Marine Sand

Late Glacial
Freshwater Sand

0 m

3 m

6 m

Enclosure D3.



Line Agip 6

S 4-1

0

200 m

Holocene Marine Sand

Holocene Marine Clay

Late glacial Freshwater
Fine Sand and Clay

0 m

3 m

6 m

Enclosure D4.



Line Agip 5

S 5-1

0

200 m

Holocene Marine Sand

Holocene Marine Clay

0 m

3 m

6 m

Enclosure D5.



Line Agip 5

S 1-6

0 200 m

Holocene Marine Sand

Late glacial Freshwater
Fine Sand

0 m

3 m

6 m

Enclosure D6.



Line Agip 5

S 1-7

200 m

Holocene Marine Sand

0 m

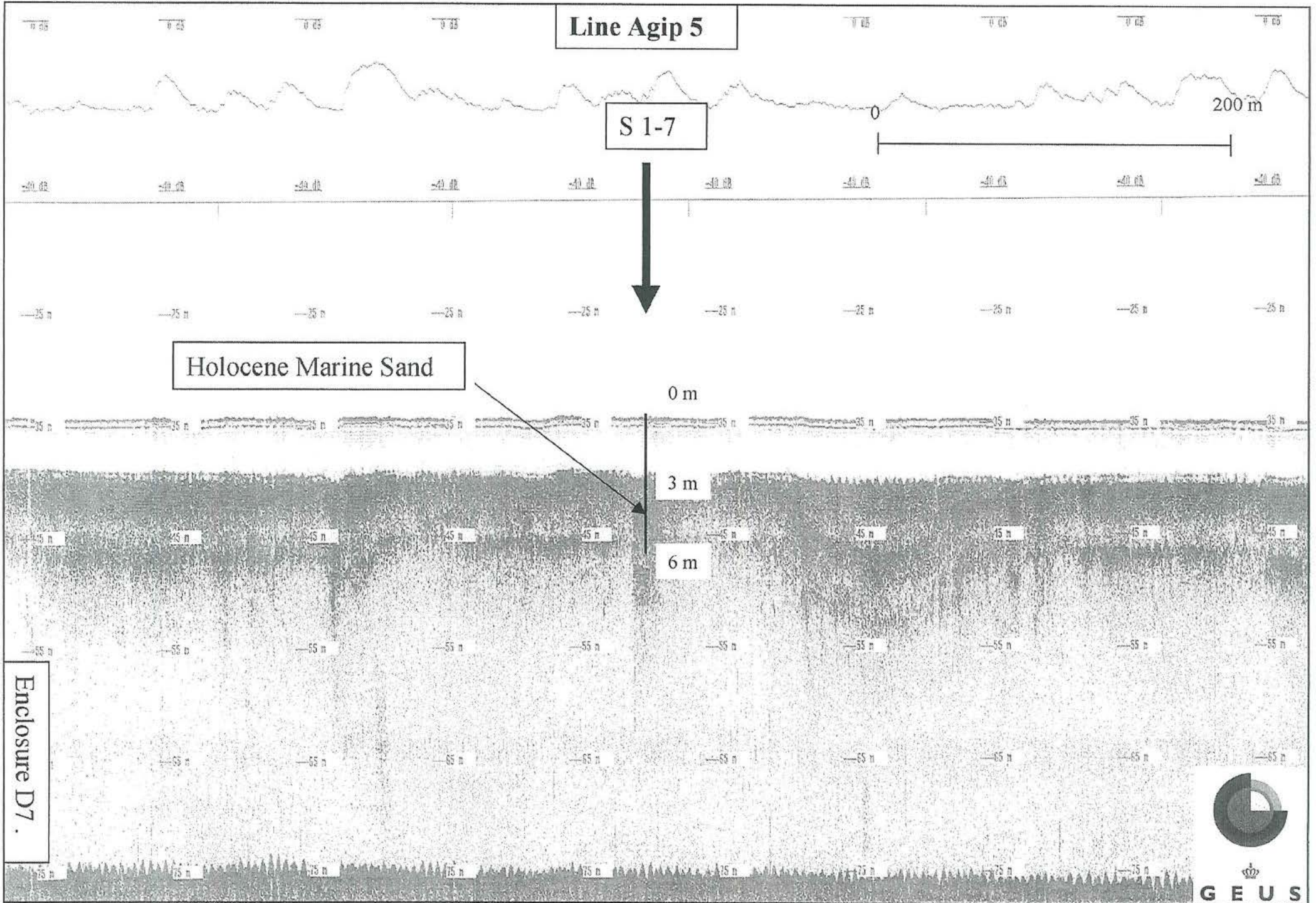
3 m

6 m

Enclosure D7.



GEUS



Line Agip 5

S 2-1



Holocene Marine Sand

Post glacial Freshwater Sand

0 m

3 m

6 m

Enclosure D8.



Line Agip 5

S 3-3



Late glacial Freshwater
Fine Sand/Silt

0 m

3 m

6 m

Enclosure D9.



Line Agip 5

S 3-4



Holocene Marine Sand

Late glacial Freshwater Fine Sand

0 m

3 m

6 m

Enclosure D10.



Line Agip 5

S 3-5

200 m

Holocene Marine Sand

Late glacial
Freshwater Sand

0 m

3 m

6 m

Enclosure D11.



Line Agip 1

S 5-1

200 m

Holocene Marine Sand

Late glacial Freshwater
Fine Sand

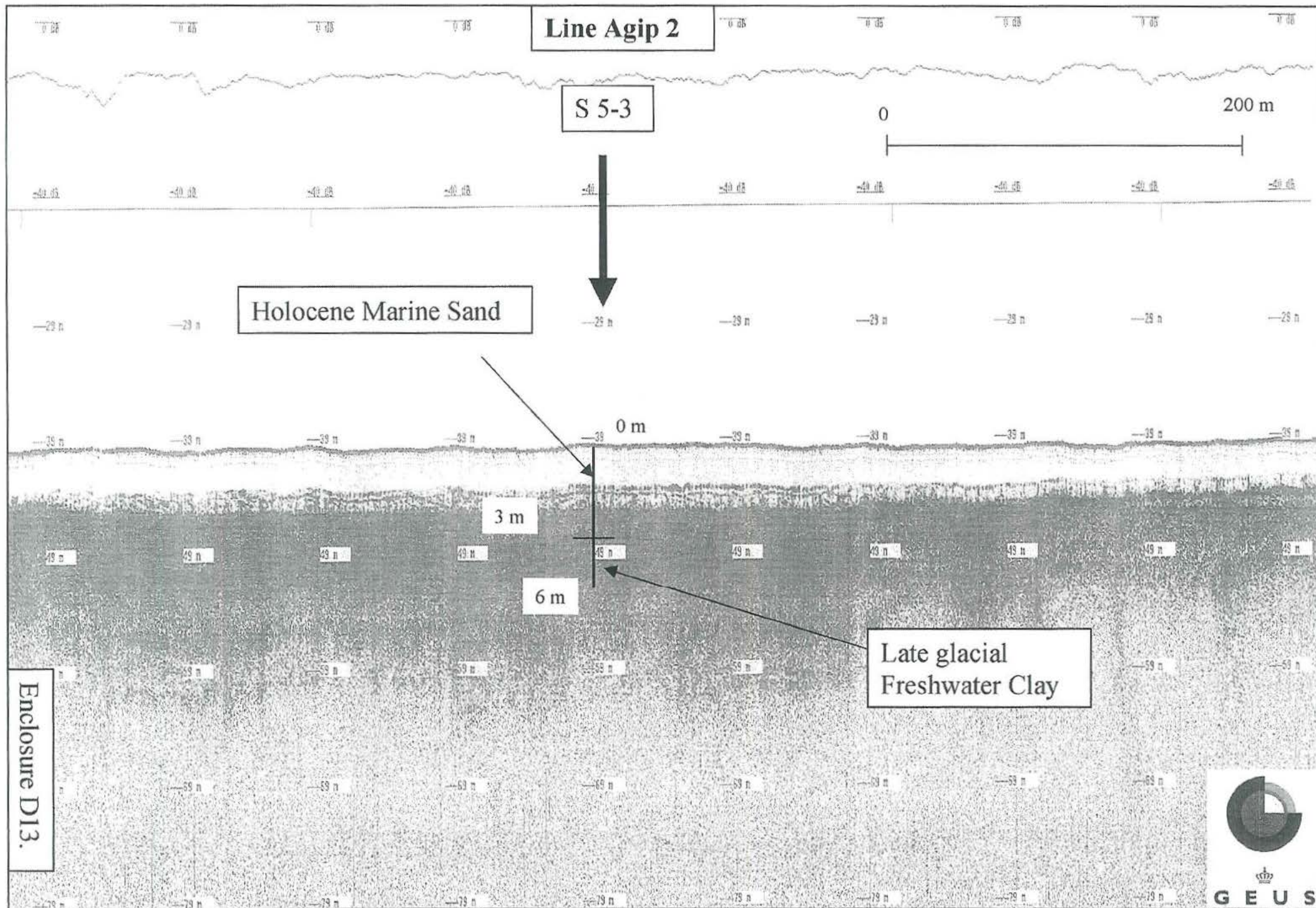
0 m

3 m

6 m

Enclosure D12.





Line Agip 2

S 5-3

200 m

Holocene Marine Sand

0 m

3 m

6 m

Late glacial
Freshwater Clay

Enclosure D13.



Line Agip 02

S 5-4

0

200 m

Holocene Marine Sand

Late Glacial Freshwater Sand

0 m

3 m

6 m

Late Glacial Freshwater Clay

Enclosure D14.



Line Agip 2

S 5-5

0

200 m

Holocene marine Sand

Holocene Marine Clay

0 m

3 m

6 m

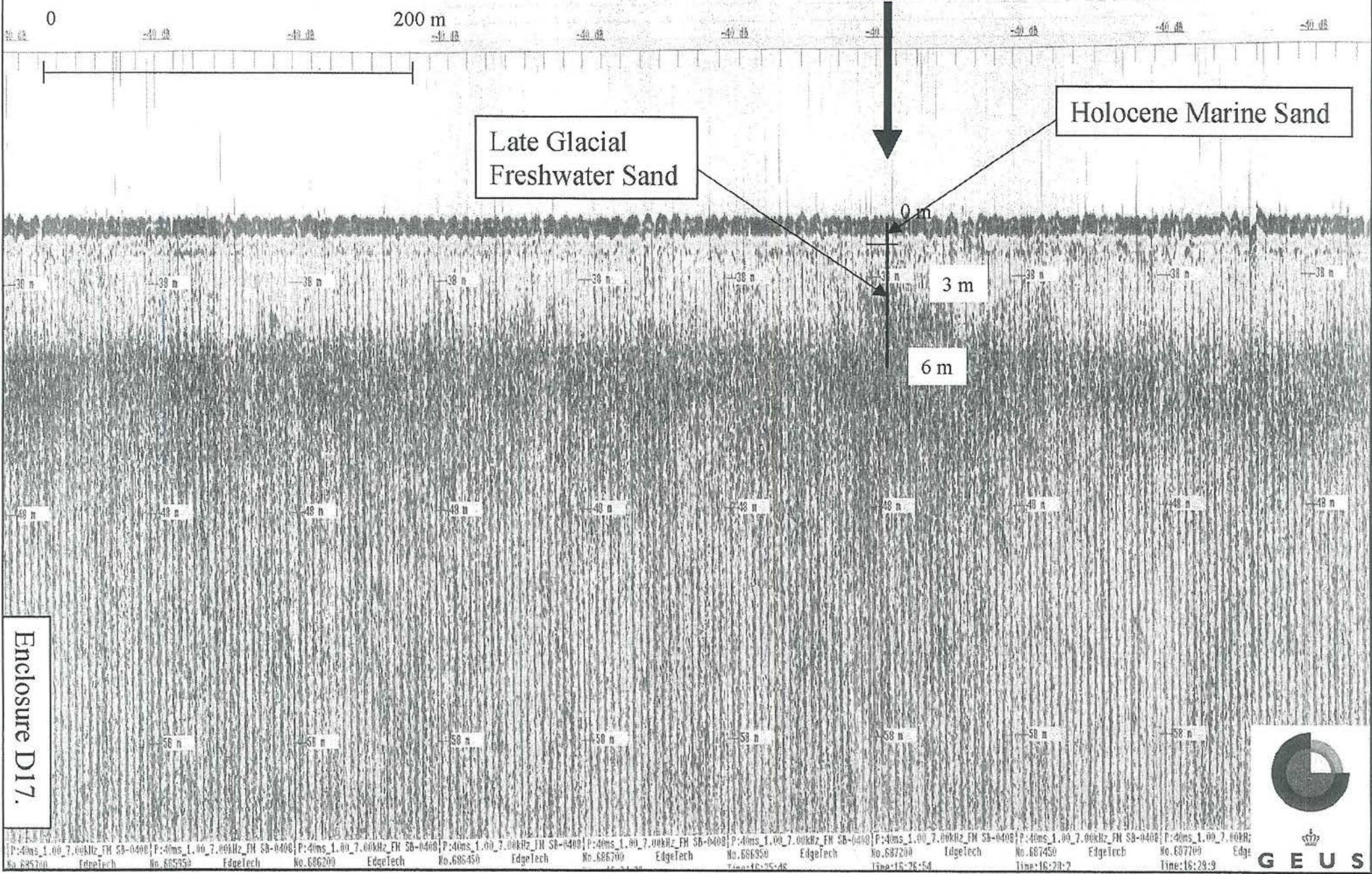
Holocene Marine Sand and Clay

Enclosure D15.



Line 578208

S 6-1



Enclosure D17.



Line B

0 200 m

S 6-5

Holocene marine sand sand

Late Glacial Freshwater Sand

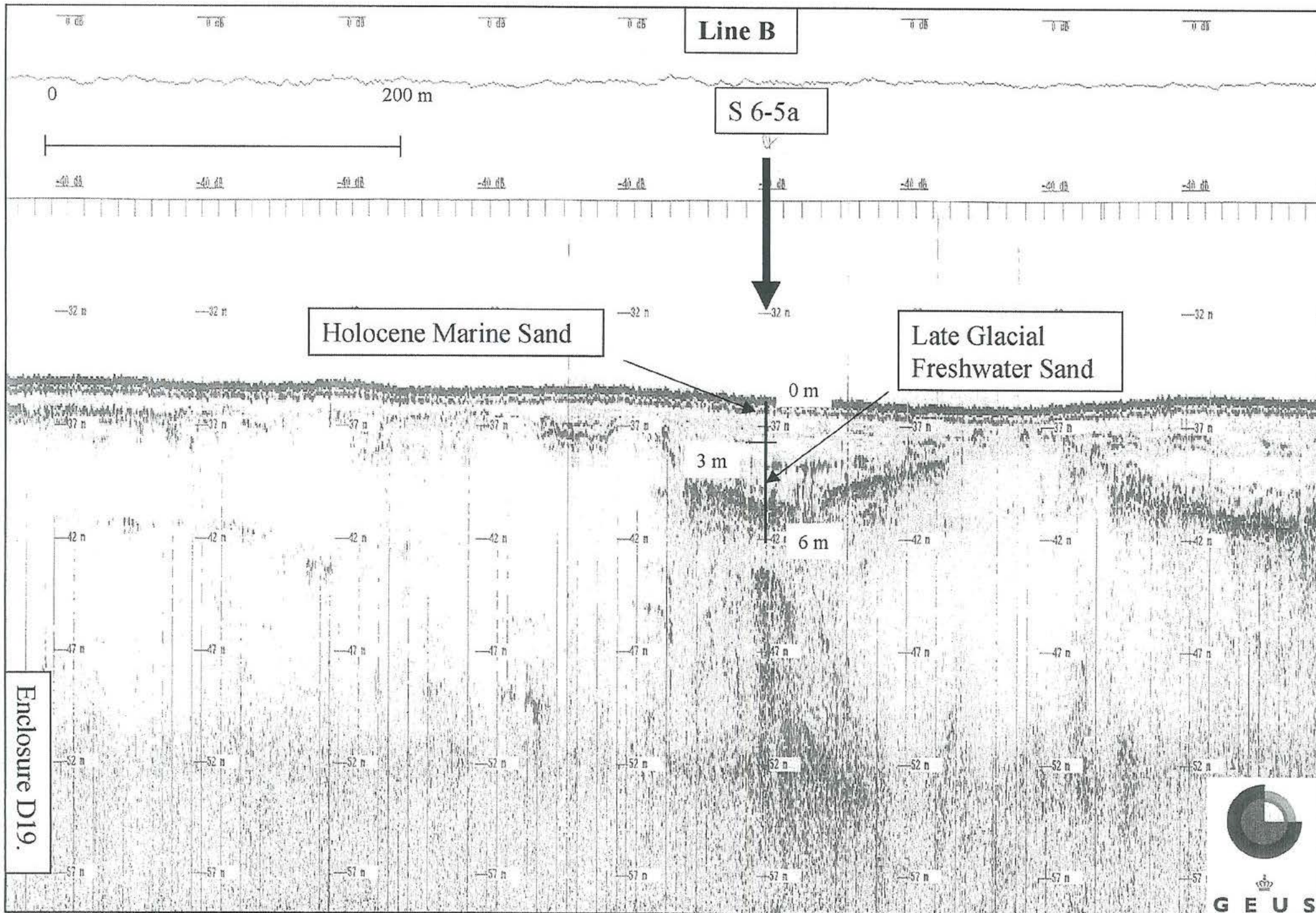
0 m

3 m

6 m

Enclosure D18.





Enclosure D19.



Enclosure E

**AGIP Licence 1/99 - Geochemical Sea Bed Sampling
CORE POSITIONS**

	Well name	Latitude geographical ED50	Longitude geographical ED50
1	S1-1	55 26,7306'	06 31,5722'
2	S1-2	55 26,7339'	06 30,4682
3	S1-3	55 26,7317'	06 29,4773'
4	S1-4	55 26,7257'	06 31,9802'
5	S1-5	55 28,0707'	06 28,9303'
6	S1-6	55 28,4126'	06 29,8733'
7	S1-7	55 28,1797'	06 25,7394'
8	S2-1	55 29,5537'	06 32,2531'
9	S3-3	55 32,3415'	06 37,9393'
10	S3-4	55 31,0814'	06 35,1983'
11	S3-5	55 33,6153'	06 40,0943'
12	S5-1	55 48,6920'	06 21,2343'
13	S5-3	55 46,2952'	06 17,0603'
14	S5-4	55 49,5081'	06 20,0824'
15	S5-5	55 42,1544'	06 13,7463'
16	S5-6A	55 43,6437'	06 10,8794'
17	S6-1	55 49,4392'	06 50,7461'
18	S6-5	55 50,4525'	06 46,9228'
19	S6-5A	55 50,4927'	06 48,9397'

Enclosure E 1



GEUS

AGIP Licence 1/99 - Geochemical Sea Bed Sampling
Geochemical and Archive samples

	Well name	Depths below bottom in meters
1	S1 - 1 KEM I	5,50 - 5,70
2	S1 - 1 KEM II	4,50 - 4,70
3	S1 - 1 KEM III	3,50 - 3,70
4	S1 - 2 KEM I	5,10 - 5,30
5	S1 - 2 KEM II	4,10 - 4,30
6	S1 - 2 KEM III	3,10 - 3,30
7	S1 - 3 KEM I	5,45 - 5,65
8	S1 - 3 KEM II	4,45 - 4,65
9	S1 - 3 KEM III	3,45 - 3,65
10	S1 - 4 KEM I	5,05 - 5,25
11	S1 - 4 KEM II	4,05 - 4,25
12	S1 - 4 KEM III	3,05 - 3,25
13	S1 - 5 KEM I	5,63 - 5,83
14	S1 - 5 KEM II	4,63 - 4,83
15	S1 - 5 KEM III	3,63 - 3,83
16	S1 - 6 KEM I	5,47 - 5,67
17	S1 - 6 KEM II	4,47 - 4,67
18	S1 - 6 KEM III	3,47 - 3,67
19	S1 - 7 KEM I	5,53 - 5,73
20	S1 - 7 KEM II	4,53 - 4,73
21	S1 - 7 KEM III	3,53 - 3,73
22	S2 - 1 KEM I	5,35 - 5,55
23	S2 - 1 KEM II	4,35 - 4,55
24	S2 - 1 KEM III	3,35 - 3,55
25	S3 - 3 KEM I	5,47 - 5,67
26	S3 - 3 KEM II	4,47 - 4,67
27	S3 - 3 KEM III	3,47 - 3,67
28	S3 - 4 KEM I	5,43 - 5,63
29	S3 - 4 KEM II	4,43 - 4,63
30	S3 - 4 KEM III	3,43 - 3,63
31	S3 - 5 KEM I	5,10 - 5,30
32	S3 - 5 KEM II	4,10 - 4,30
33	S3 - 5 KEM III	3,10 - 3,30
34	S5 - 1 KEM I	5,37 - 5,57
35	S5 - 1 KEM II	4,37 - 4,57
36	S5 - 1 KEM III	3,37 - 3,57
37	S5 - 3 KEM I	5,10 - 5,30
38	S5 - 3 KEM II	4,10 - 4,30
39	S5 - 3 KEM III	3,10 - 3,30
40	S5 - 4 KEM I	5,47 - 5,67

Enclosure E 2



GEUS

AGIP Licence 1/99 - Geochemical Sea Bed Sampling
Geochemical and Archive samples

	Well name	Depths
41	S5 - 4 KEM II	4,47 - 4,67
42	S5 - 4 KEM III	3,47 - 3,67
43	S5 - 5 KEM I	5,49 - 5,69
44	S5 - 5 KEM II	4,49 - 4,69
45	S5 - 5 KEM III	3,49 - 3,69
46	S5 - 6A KEM I	5,44 - 5,64
47	S5 - 6A KEM II	4,44 - 4,64
48	S5 - 6A KEM III	3,44 - 3,64
49	S6 - 1 KEM I	4,40 - 4,60
50	S6 - 1 KEM II	3,40 - 3,60
51	S6 - 1 KEM III	2,40 - 2,60
52	S6 - 5 KEM I	5,00 - 5,20
53	S6 - 5 KEM II	4,00 - 4,20
54	S6 - 5 KEM III	3,00 - 3,20
55	S6 - 5A KEM I	5,60 - 5,80
56	S6 - 5A KEM II	4,60 - 4,80
57	S6 - 5A KEM III	3,60 - 3,80
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		

Enclosure E 2



GEUS

AGIP Licence 1/99 - Geochemical Sea Bed Sampling
Mini Head space samples

	Well name	Depths m
1	S1- 1 GAS I	5,70 - 5,75
2	S1- 1 GAS II	4,70 - 4,75
3	S1- 1 GAS III	3,70 - 3,75
4	S1- 2 GAS I	5,30 - 5,35
5	S1- 2 GAS II	4,30 - 4,35
6	S1- 2 GAS III	3,30 - 3,35
7	S1- 3 GAS I	5,65 - 5,70
8	S1- 3 GAS II	4,65 - 4,70
9	S1- 3 GAS III	3,65 - 3,70
10	S1- 4 GAS I	5,25 - 5,30
11	S1- 4 GAS II	4,25 - 4,30
12	S1 - 4 GAS III	3,25 - 3,30
13	S1 - 5 GAS I	5,83 - 5,88
14	S1 - 5 GAS II	4,83 - 4,88
15	S1 - 5 GAS III	3,83 - 3,88
16	S1 - 6 GAS I	5,67 - 5,72
17	S1 - 6 GAS II	4,67 - 4,72
18	S1 - 6 GAS III	3,67 - 3,72
19	S1 - 7 GAS I	5,73 - 5,78
20	S1 - 7 GAS II	4,73 - 4,78
21	S1 - 7 GAS III	3,73 - 3,78
22	S2 - 1 GAS I	5,55 - 5,60
23	S2 - 1 GAS II	4,55 - 4,60
24	S2 - 1 GAS III	3,55 - 3,60
25	S3 - 3 GAS I	5,67 - 5,72
26	S3 - 3 GAS II	4,67 - 4,72
27	S3 - 3 GAS III	3,67 - 3,72
28	S3 - 4 GAS I	5,63 - 5,68
29	S3 - 4 GAS II	4,63 - 4,68
30	S3 - 4 GAS III	3,63 - 3,68
31	S3 - 5 GAS I	5,30 - 5,35
32	S3 - 5 GAS II	4,30 - 4,35
33	S3 - 5 GAS III	3,30 - 3,35
34	S5 - 1 GAS I	5,57 - 5,62
35	S5 - 1 GAS II	4,57 - 4,62
36	S5 - 1 GAS III	3,57 - 3,62
37	S5 - 3 GAS I	5,30 - 5,35
38	S5 - 3 GAS II	4,30 - 4,35
39	S5 - 3 GAS III	3,30 - 3,35
40	S5 - 4 GAS I	5,67 - 5,72

Enclosure E 3



GEUS

AGIP Licence 1/99 - Geochemical Sea Bed Sampling
Mini Head space samples

	Well name	Depths
41	S5 - 4 GAS II	4,67 - 4,72
42	S5 - 4 GAS III	3,67 - 3,72
43	S5 - 5 GAS I	5,69 - 5,74
44	S5 - 5 GAS II	4,69 - 4,74
45	S5 - 5 GAS III	3,69 - 3,74
46	S5 - 6A GAS I	5,64 - 5,69
47	S5 - 6A GAS II	4,64 - 4,69
48	S5 - 6A GAS III	3,64 - 3,69
49	S6 - 1 GAS I	4,60 - 4,65
50	S6 - 1 GAS II	3,60 - 3,65
51	S6 - 1 GAS III	2,60 - 2,65
52	S6 - 5 GAS I	5,20 - 5,25
53	S6 - 5 GAS II	4,20 - 4,25
54	S6 - 5 GAS III	3,20 - 3,25
55	S6 - 5A GAS I	5,80 - 5,85
56	S6 - 5A GAS II	4,80 - 4,85
57	S6 - 5A GAS III	3,80 - 3,85
58		
59		
60		
61		
62		
63		
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72		
73		
74		
75		
76		
77		
78		
79		
80		

Enclosure E 3



GEUS

AGIP Licence 1/99 - Geochemical Sea Bed Sampling
Stratigraphical Surface samples

	Well name	Depths below bottom in meters
1	S1-1	0,00 - 0,20
2	S1-2	0,00 - 0,20
3	S1-3	0,00 - 0,20
4	S1-4	0,00 - 0,20
5	S1-5	0,00 - 0,20
6	S1-6	0,00 - 0,20
7	S1-7	0,00 - 0,20
8	S2-1	0,00 - 0,20
9	S3-3	0,00 - 0,20
10	S3-4	0,00 - 0,20
11	S3-5	0,00 - 0,20
12	S5-1	0,00 - 0,20
13	S5-3	0,00 - 0,20
14	S5-4	0,00 - 0,20
15	S5-5	0,00 - 0,20
16	S5-6A	0,00 - 0,20
17	S6-1	0,00 - 0,20
18	S6-5	0,00 - 0,20
19	S6-5A	0,00 - 0,20

Enclosure E 4

