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Survey-report :  
Environmental effect monitoring Doggerbank area,  
2006

Date 8 may 2006

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## Summary

In the period 24/04/06-28/04/06 a survey was performed at location A6-A on the German Continental shelf.

This report describes the time schedule and observation made during the survey.

### 1. Field report

On Monday the 24<sup>th</sup> of April mobilisation of the vessel “VOS Baltic” commenced at 8.00 hr. Mobilisation of the ROV equipment took all day, and the “Vos Baltic” departed to the survey location at 20.30 hr.

The weather forecast for the survey area was very promising, low winds and moderate waveheight.

The data on the sampling are given in Appendix 1

On Tuesday the 25<sup>th</sup> of April we arrived at the A6-A location and the sampling commenced at 11.00 hr local time. During the day 7 stations could be sampled and on 4 stations video recordings were made with the ROV. Due to the strong currents at the end of the day, the video recording from station 6 and 9 were postponed to the next day. The work was finished at 21.00 hr. In the sediments from the various samples no traces of oil was noticed and in only one sample small drill cuttings were found.

On Wednesday the 26<sup>th</sup> of April sampling started at 8.30 hr. In total 10 stations were sampled during the day. Video recording were made at the rest of the station at the 125m stations and the 250 m stations, and this part of the survey was completed. The work was finished at 21.00 hr. The video recordings showed no irregularities due to the drilling activities at A6-A. Further assessment will be conducted on the video's.

On Thursday the 27<sup>th</sup> of April the rest of the stations were sampled and at 15.30 hr the survey was completed and departed the “Vos Baltic” to the base in Den Helder.

Demobilisation of the “Vos Baltic” was completed on Friday the 28<sup>th</sup> of April at 12.00 hr local time.

The analyses on the benthos samples have started on the 8<sup>th</sup> of May. The samples for metal and oil analyses will be sent to the different laboratories for analyses during this week (weeknr.19).

## Appendix 1

sample	date	time	N-coördinates		E-coördinates		* keel depth=3,60m		
			°	min	°	min	depth*	Heading ship	STATION
1	25-04-06	11,00	55	45,895	4	2,253	36,0	180	22
2	25-04-06	11,10	55	45,878	4	2,219	36,0	180	22
3	25-04-06	11,17	55	45,900	4	2,235	36,6	180	22
4	25-04-06	11,25	55	45,893	4	2,244	36,7	180	22
5	25-04-06	11,31	55	45,895	4	2,247	36,7	180	22
6	25-04-06	11,50	55	45,895	4	2,240	36,8	175	22
7	25-04-06	12,40	55	47,396	3	59,675	45,0	178	3
8	25-04-06	12,47	55	47,393	3	59,670	45,0	177	3
9	25-04-06	12,54	55	47,388	3	59,670	44,6	165	3
10	25-04-06	13,00	55	47,390	3	59,673	45,3	186	3
11	25-04-06	13,10	55	47,387	3	59,676	45,1	187	3
12	25-04-06	13,19	55	47,385	3	59,672	45,0	178	3
13	25-04-06	14,12	55	47,509	3	59,453	45,0	167	5
14	25-04-06	14,18	55	47,507	3	59,473	45,0	197	5
15	25-04-06	14,29	55	47,501	3	59,469	45,0	186	5
16	25-04-06	14,43	55	47,500	3	59,468	45,0	183	5
17	25-04-06	14,55	55	47,500	3	59,468	45,0	174	5
18	25-04-06	15,02	55	47,513	3	59,479	45,0	216	5
19	25-04-06	15,54	55	47,382	3	59,569	45,0	180	4
20	25-04-06	15,59	55	47,388	3	59,572	45,0	183	4
21	25-04-06	16,08	55	47,387	3	59,571	45,0	204	4
22	25-04-06	16,16	55	47,378	3	59,578	44,8	208	4
23	25-04-06	16,26	55	47,389	3	59,582	45,0	198	4
24	25-04-06	16,37	55	47,387	3	59,582	45,0	200	4
25	25-04-06	17,20	55	47,505	3	59,661	45,6	200	2
26	25-04-06	17,26	55	47,512	3	59,669	45,0	207	2
27	25-04-06	17,35	55	47,508	3	59,652	45,3	195	2
28	25-04-06	17,41	55	47,512	3	59,672	45,7	200	2
29	25-04-06	17,52	55	47,518	3	59,655	45,7	195	2
30	25-04-06	17,58	55	47,512	3	59,669	45,5	199	2
31	25-04-06	18,47	55	47,544	3	59,744	45,0	202	6
32	25-04-06	18,54	55	47,562	3	59,758	45,0	210	6
33	25-04-06	19,03	55	47,559	3	59,770	45,0	220	6
34	25-04-06	19,09	55	47,552	3	59,764	45,0	220	6
35	25-04-06	19,18	55	47,558	3	59,768	45,0	221	6
36	25-04-06	19,24	55	47,567	3	59,756	45,0	201	6
37	25-04-06	19,41	55	47,558	3	59,440	46,0	236	9
38	25-04-06	19,46	55	47,557	3	59,438	46,0	258	9
39	25-04-06	19,55	55	47,562	3	59,436	46,0	225	9
40	25-04-06	20,00	55	47,555	3	59,436	46,0	249	9
41	25-04-06	20,08	55	47,557	3	59,437	46,0	247	9
42	25-04-06	20,14	55	47,552	3	59,436	46,0	219	9

sample	date	time	N-coördinates		E-coördinates		* keel depth=3,60m		
			°	min	°	min	depth*	Heading ship	STATION
43	26-04-06	7,54	55	47,373	3	59,731	45,0	200	7
44	26-04-06	8,00	55	47,370	3	59,747	45,0	235	7
45	26-04-06	8,09	55	47,374	3	59,745	45,0	218	7
46	26-04-06	8,15	55	47,372	3	59,736	45,0	224	7
47	26-04-06	8,24	55	47,372	3	59,749	45,0	278	7
48	26-04-06	8,31	55	47,370	3	59,748	45,0	271	7
49	26-04-06	9,05	55	47,398	3	59,424	45,0	274	8
50	26-04-06	9,11	55	47,383	3	59,411	45,0	288	8
51	26-04-06	9,19	55	47,397	3	59,404	45,0	249	8
52	26-04-06	9,26	55	47,390	3	59,407	45,0	231	8
53	26-04-06	9,34	55	47,395	3	59,410	45,0	254	8
54	26-04-06	9,43	55	47,385	3	59,408	45,0	255	8
55	26-04-06	11,50	55	47,663	3	59,234	45,0	270	13
56	26-04-06	11,55	55	47,662	3	59,234	45,0	268	13
57	26-04-06	12,06	55	47,663	3	59,235	45,0	258	13
58	26-04-06	12,12	55	47,653	3	59,243	45,0	290	13
59	26-04-06	12,20	55	47,655	3	59,237	45,0	290	13
60	26-04-06	12,26	55	47,660	3	59,253	45,0	274	13
61	26-04-06	12,48	55	47,270	3	59,240	44,5	330	12
62	26-04-06	12,55	55	47,287	3	59,246	45,0	310	12
63	26-04-06	13,04	55	47,283	3	59,234	45,0	330	12
64	26-04-06	13,09	55	47,285	3	59,251	45,0	317	12
65	26-04-06	13,21	55	47,281	3	59,234	44,5	311	12
66	26-04-06	13,25	55	47,279	3	59,239	44,7	333	12
67	26-04-06	wrong							11
68	26-04-06	13,55	55	47,287	3	59,940	45,0	315	11
69	26-04-06	14,00	55	47,282	3	59,954	45,0	310	11
70	26-04-06	14,09	55	47,281	3	59,944	45,1	322	11
71	26-04-06	14,15	55	47,295	3	59,950	45,0	302	11
72	26-04-06	14,24	55	47,280	3	59,948	45,6	324	11
73	26-04-06	14,32	55	47,289	3	459,949	45,2	340	11
74	26-04-06	14,55	55	47,643	3	59,927	46,0	0	10
75	26-04-06	15,05	55	47,657	3	59,925	46,0	340	10
76	26-04-06	15,14	55	47,645	3	59,948	46,2	327	10
77	26-04-06	15,23	55	47,650	3	59,932	46,2	330	10
78	26-04-06	15,32	55	47,647	3	59,941	46,2	330	10
79	26-04-06	15,38	55	47,652	3	59,929	46,2	350	10
80	26-04-06	16,01	55	47,853	4	0,425	46,0	325	14
81	26-04-06	16,06	55	47,860	4	0,237	46,0	256	14
82	26-04-06	16,15	55	47,858	4	0,235	46,0	275	14
83	26-04-06	16,20	55	47,860	4	0,250	46,0	259	14
84	26-04-06	16,29	55	47,851	4	0,248	46,0	270	14
85	26-04-06	16,34	55	47,861	4	0,259	46,0	275	14
86	26-04-06	16,57	55	47,448	4	0,520	45,0	270	15
87	26-04-06	17,06	55	47,450	4	0,520	45,0	267	15
88	26-04-06	17,02	55	47,447	4	0,538	45,0	275	15

sample	date	time	N-coördinates		E-coördinates		* keel depth=3,60m		
			°	min	°	min	depth*	Heading ship	STATION
89	26-04-06	17,28	55	47,456	4	0,522	45,0	269	15
90	26-04-06	17,38	55	47,456	4	0,532	45,0	269	15
91	26-04-06	17,56	55	47,450	4	0,533	45,0	261	15
92	26-04-06	18,53	55	47,417	4	1,512	42,0	268	19
93	26-04-06	19,00	55	47,412	4	1,515	43,0	268	19
94	26-04-06	19,09	55	47,409	4	1,512	42,0	273	19
95	26-04-06	19,18	55	47,416	4	1,519	43,0	260	19
96	26-04-06	19,29	55	47,418	4	1,520	43,0	266	19
97	26-04-06	19,35	55	47,408	4	1,521	42,0	267	19
98	26-04-06	20,00	55	46,653	4	0,898	39,0	250	20
99	26-04-06	20,06	55	46,647	4	0,887	39,0	262	20
100	26-04-06	20,16	55	46,650	4	0,884	39,0	238	20
101	26-04-06	20,21	55	46,649	4	0,879	39,0	242	20
102	26-04-06	20,29	55	46,647	4	0,881	39,0	262	20
103	26-04-06	20,34	55	46,644	4	0,879	39,0	261	20
104	27-04-06	8,09	55	48,813	3	53,963	47,0	252	23
105	27-04-06	8,16	55	48,815	3	53,965	47,0	260	23
106	27-04-06	8,25	55	48,817	3	53,960	47,0	261	23
107	27-04-06	8,31	55	48,815	3	53,958	47,0	267	23
108	27-04-06	8,40	55	48,814	3	53,956	47,0	273	23
109	27-04-06	8,46	55	48,817	3	53,958	47,0	275	23
110	27-04-06	9,24	55	46,380	3	59,219	38,0	278	21
111	27-04-06	9,31	55	46,383	3	59,212	38,0	260	21
112	27-04-06	9,38	55	46,379	3	59,212	38,0	264	21
113	27-04-06	9,44	55	46,382	3	59,215	38,0	258	21
114	27-04-06	9,52	55	46,383	3	59,210	38,0	260	21
115	27-04-06	9,57	55	46,381	3	59,212	38,0	264	21
116	27-04-06	10,17	55	47,078	4	0,230	43,0	261	16
117	27-04-06	10,22	55	47,071	4	0,228	43,0	265	16
118	27-04-06	11,06	55	47,074	4	0,288	43,0	260	16
119	27-04-06	11,11	55	47,081	4	0,285	43,0	273	16
120	27-04-06	11,21	55	47,083	4	0,282	43,0	271	16
121	27-04-06	11,29	55	47,085	4	0,287	43,0	264	16
122	27-04-06	12,22	55	46,905	3	59,670	41,0	310	17
123	27-04-06	12,28	55	46,913	3	59,664	41,0	260	17
124	27-04-06	12,37	55	46,906	3	59,668	41,0	285	17
125	27-04-06	12,46	55	46,910	3	59,666	41,0	287	17
126	27-04-06	12,55	55	46,909	3	59,657	41,0	320	17
127	27-04-06	13,02	55	46,900	3	59,677	41,0	320	17
128	27-04-06	13,24	55	47,084	3	58,865	42,7	80	18
129	27-04-06	13,36	55	47,083	3	58,886	43,0	333	18
130	27-04-06	13,45	55	47,074	3	58,888	43,0	355	18
131	27-04-06	13,52	55	47,077	3	58,886	43,0	350	18
132	27-04-06	14,00	55	47,078	3	58,881	43,0	350	18
133	27-04-06	14,08	55	47,085	3	58,886	43,0	0	18