Bijlage voor reizen waarvoor permits zijn aangevraagd

CRUISE SUMMARY REPORT

FOR COLLATING CENTRE USE

Centre: Ref. no:

Is data exchange restricted? ☐ Yes ■ In part ☐ No

SHIP

Name: TRIDENS 2 Call Sign: PBVO

Type of ship: FISHERIES RESEARCH VESSEL

CRUISE NO./NAME: IBTS 2006-Q1 (INTERNATIONAL BOTTOM TRAWL SURVEY)

CRUISE PERIOD start 23 Jan 2006 to 24 Feb 2006

PORT OF DEPARTURE: SCHEVENINGEN, THE NETHERLANDS

PORT OF RETURN: SCHEVENINGEN, THE NETHERLANDS

RESPONSIBLE LABORATORY:

Name: NETHERLANDS INSTITUTE FOR FISHERIES RESEARCH (RIVO B.V.)

Address: P.O. BOX 68
1970 AB IJMUIDEN
HARINGKADE 1

Country: THE NETHERLANDS

CHIEF SCIENTIST(S)

Remment ter Hofstede

OBJECTIVES AND BRIEF NARRATIVE OF CRUISE

The IBTS is designed to acquire recruitment indices and tuning data for several finfish species. The recruitmen indices are used in ICES assessment working groups (herring, North Sea demersal fish, mackerel) and ACFM. Data on spatial and temporal distribution of fish species are used for ecosystem studies.

PROJECT:

Project name: ICES IBTS Working Group

Coordinating body: ICES International Council for Exploration of the Sea

PRINCIPAL INVESTIGATORS:

A. Remment ter Hofstede
B.
C.
D.
E.
F.

MOORINGS, BOTTOM MOUNTED GEAR AND DRIFTING SYSTEMS					
PI	APPROXIMATE POSITION				DESCRIPTION
	haulno	ICES-rectangl	latitude	longitude	their depths, whether deployed and/or recovered, dates of deployment and/or recovery, and any identifiers given to the site.
A	1	34F4	52.77	4.42	GOV-haul + CTD-station
A	2	35F4	53.16	4.19	GOV-haul + CTD-station
A	3	36F6	53.81	6.65	GOV-haul + CTD-station
A	4	36F7	53.87	7.10	GOV-haul + CTD-station
A	5	37F7	54.29	7.51	GOV-haul + CTD-station
A	6	37F8	54.31	8.12	GOV-haul + CTD-station
A	7	37F6	54.23	6.49	GOV-haul + CTD-station
A	8	37F5	54.21	5.70	GOV-haul + CTD-station
A	9	36F5	53.82	5.72	GOV-haul + CTD-station
A	10	36F6	53.71	6.12	GOV-haul + CTD-station
A	11	37F4	54.22	4.34	GOV-haul + CTD-station
A	12	37F3	54.19	3.70	GOV-haul + CTD-station
A	13	36F3	53.81	3.61	GOV-haul + CTD-station
A	14	36F4	53.88	4.43	GOV-haul + CTD-station
A	15	39F2	55.26	2.63	GOV-haul + CTD-station
A	16	40F2	55.66	2.79	GOV-haul + CTD-station
A	17	40F3	55.74	3.44	GOV-haul + CTD-station
A	18	40F4	55.79	4.21	GOV-haul + CTD-station
A	19	41F1	56.27	1.78	GOV-haul + CTD-station
A	20	41F2	56.16	2.49	GOV-haul + CTD-station
A	21	41F3	56.09	3.28	GOV-haul + CTD-station
A	22	41F4	56.21	4.12	GOV-haul + CTD-station
A	23	41E9	56.25	-0.55	GOV-haul + CTD-station
A	24	41E8	56.27	-1.22	GOV-haul + CTD-station
A	25	41E7	56.37	-2.08	GOV-haul + CTD-station
A	26	42E7	56.72	-2.25	GOV-haul + CTD-station
A	27	43E9	57.16	-0.59	GOV-haul + CTD-station
A	28	43E8	57.25	-1.15	GOV-haul + CTD-station
A	29	42E8	56.75	-1.16	GOV-haul + CTD-station
A	30	43E8	56.75	-0.69	GOV-haul + CTD-station
A	31	41F0	56.23	0.53	GOV-haul + CTD-station
A	32	40F0	55.78	0.57	GOV-haul + CTD-station
A	33	40F1	55.78	1.23	GOV-haul + CTD-station
A	34	39F1	55.40	1.58	GOV-haul + CTD-station
A	35	38F1	54.76	1.34	GOV-haul + CTD-station
A	36	38F0	54.79	0.69	GOV-haul + CTD-station
A	37	39F0	55.42	0.68	GOV-haul + CTD-station
A	38	39E9	55.35	0.10	GOV-haul + CTD-station
A	39	37F0	54.19	0.52	GOV-haul + CTD-station
A	40	36F0	53.91	0.94	GOV-haul + CTD-station
A	41	36F1	53.91	1.26	GOV-haul + CTD-station
A	42	36F2	53.98	2.15	GOV-haul + CTD-station
A	43	33F4	52.30	4.37	GOV-haul + CTD-station
A	44	33F3	52.38	3.72	GOV-haul + CTD-station
A	45	33F1	52.30	1.90	GOV-haul + CTD-station
A	46	33F2	52.26	2.20	GOV-haul + CTD-station
A	47	34F2	52.64	2.29	GOV-haul + CTD-station
A	48	34F1	52.54	1.94	GOV-haul + CTD-station
A	49	35F0	53.46	0.92	GOV-haul + CTD-station

A	50	35F1	53.41	1.58	GOV-haul + CTD-station
A	51	36F1	53.67	1.54	GOV-haul + CTD-station
A	52	36F2	53.75	2.28	GOV-haul + CTD-station
A	53	35F2	53.26	2.69	GOV-haul + CTD-station
A	54	35F3	53.21	3.42	GOV-haul + CTD-station
A	55	34F3	52.82	3.34	GOV-haul + CTD-station
A	56	34F3	52.56	3.33	GOV-haul + CTD-station
A	57	32F3	51.80	3.60	GOV-haul + CTD-station
A	58	32F3	51.34	3.47	GOV-haul + CTD-station
A	59	32F1	51.72	1.87	GOV-haul + CTD-station
A	60	32F2	51.81	2.03	GOV-haul + CTD-station
A	61	31F2	51.47	2.32	GOV-haul + CTD-station
A	62	31F1	51.49	1.76	GOV-haul + CTD-station
A	63	32F2	51.58	2.78	GOV-haul + CTD-station
A	64	32F2	51.63	2.81	GOV-haul + CTD-station
A	65	33F4	52.04	4.03	GOV-haul + CTD-station
A	66	33F3	52.30	3.94	GOV-haul + CTD-station
A	67	34F4	52.79	4.45	GOV-haul + CTD-station
A	68	35F4	53.04	4.30	GOV-haul + CTD-station
A	69	36F4	53.57	4.34	GOV-haul + CTD-station
A	70	37F4	54.07	4.27	GOV-haul + CTD-station
A	1	35F4	53.25	4.40	MIK-haul
A	2	35F4	53.45	4.47	MIK-haul
A	3	36F4	53.60	4.75	MIK-haul
A	4	36F5	53.62	5.07	MIK-haul
A	5	36F5	53.70	5.43	MIK-haul
A	6	37F8	54.30	8.15	MIK-haul
A	7	37F7	54.27	7.82	MIK-haul
A	8	37F7	54.18	7.38	MIK-haul
A	9	36F7	53.98	7.38	MIK-haul
A	10	36F7	53.90	7.08	MIK-haul
A	11	36F6	53.73	6.17	MIK-haul
A	12	36F6	53.82	6.47	MIK-haul
A	13	37F6	54.02	6.42	MIK-haul
A	14	37F6	54.07	6.12	MIK-haul
A	15	37F5	54.15	5.87	MIK-haul
A	16	37F5	54.05	5.03	MIK-haul
A	17	37F4	54.15	4.77	MIK-haul
A	18	37F4	54.13	4.47	MIK-haul
A	19	36F4	53.90	4.40	MIK-haul
A	20	35F3	53.25	3.68	MIK-haul
A	21	35F3	53.37	3.32	MIK-haul
A	22	36F2	53.53	2.87	MIK-haul
A	23	36F2	53.75	2.58	MIK-haul
A	24	40F4	55.78	4.43	MIK-haul
A	25	40F4	55.78	4.10	MIK-haul
A	26	40F3	55.75	3.75	MIK-haul
A	27	40F3	55.85	3.37	MIK-haul
A	28	40F2	55.82	2.95	MIK-haul
A	29	41F4	56.20	4.22	MIK-haul
A	30	41F3	56.17	3.85	MIK-haul
A	31	41F3	56.10	3.38	MIK-haul
A	32	41F2	56.08	2.85	MIK-haul
A	33	42É7	56.75	-2.10	MIK-haul
A	34	42É8	56.75	-1.77	MIK-haul
A	35	42É8	56.75	-1.40	MIK-haul

A	36	42É9	56.75	-0.82	MIK-haul
A	37	44É9	57.00	-0.85	MIK-haul
A	38	43É8	57.12	-1.17	MIK-haul
A	39	39F1	55.32	1.53	MIK-haul
A	40	39F1	55.45	1.75	MIK-haul
A	41	40F1	55.65	1.70	MIK-haul
A	42	40F1	55.58	1.47	MIK-haul
A	43	40F0	55.63	0.13	MIK-haul
A	44	40F0	55.85	0.32	MIK-haul
A	45	41F0	56.03	0.32	MIK-haul
A	46	41F0	56.07	0.67	MIK-haul
A	47	33F3	52.45	3.58	MIK-haul
A	48	33F3	52.40	3.25	MIK-haul
A	49	33F2	52.35	2.85	MIK-haul
A	50	33F2	52.32	2.45	MIK-haul
A	51	33F1	52.30	1.90	MIK-haul
A	52	33F1	52.12	1.87	MIK-haul
A	53	34F1	52.80	1.93	MIK-haul
A	54	32F1	52.90	1.95	MIK-haul
A	55	35F1	53.12	1.77	MIK-haul
A	56	35F1	53.25	1.43	MIK-haul
A	57	35F0	53.35	0.92	MIK-haul
A	58	35F0	53.37	0.68	MIK-haul
A	59	36F1	53.73	1.77	MIK-haul
A	60	36F1	53.52	1.93	MIK-haul
A	61	36F2	53.38	2.22	MIK-haul
A	62	36F2	53.17	2.33	MIK-haul
A	63	34F2	52.95	2.47	MIK-haul
A	64	34F2	52.80	2.70	MIK-haul
A	65	34F2	52.95	2.92	MIK-haul
A	66	34F3	52.67	3.47	MIK-haul
A	67	34F3	52.75	3.85	MIK-haul
A	68	34F4	52.73	4.25	MIK-haul
A	69	34F4	52.57	4.45	MIK-haul
A	70	33F4	52.40	4.23	MIK-haul
A	71	33F4	52.18	4.13	MIK-haul
A	72	32F3	51.82	3.47	MIK-haul
A	73	32F3	51.77	3.17	MIK-haul
A	74	32F2	51.73	2.75	MIK-haul
A	75	32F2	51.87	2.45	MIK-haul
A	76	32F1	51.68	1.90	MIK-haul
A	77	32F1	51.52	1.77	MIK-haul
A	78	31F1	51.33	1.70	MIK-haul
A	79	31F1	51.48	1.95	MIK-haul
A	80	31F2	51.43	2.25	MIK-haul
A	81	31F2	51.42	2.50	MIK-haul
A	82	32F2	51.62	2.62	MIK-haul
A	83	32F2	51.75	2.78	MIK-haul
A	84	33F3	52.28	3.60	MIK-haul
A	85	33F3	52.23	3.92	MIK-haul
A	86	33F4	52.30	4.23	MIK-haul
A	87	33F4	52.47	4.13	MIK-haul
A	88	34F3	52.63	3.95	MIK-haul
A	89	34F4	52.60	4.30	MIK-haul
A	90	34F4	52.78	4.45	MIK-haul
A	91	37F3	54.12	3.92	MIK-haul

A	92	37F3	54.10	3.58	MIK-haul
A	93	36F3	53.90	3.63	MIK-haul
A	94	36F3	53.68	3.62	MIK-haul
A	95	35F3	53.48	3.62	MIK-haul
A	96	35F3	53.33	3.83	MIK-haul
A	97	35F3	53.15	3.97	MIK-haul

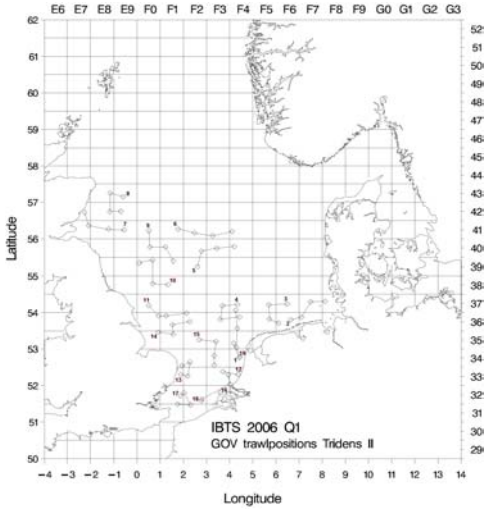
SUMMARY OF MEASURED AND SAMPLES TAKEN				
PI	NO	UNITS	DATA TYPE	DESCRIPTION
A	70	hauls	GOV	GOV- Bottom trawl (Grand Ouverture Verticale); Numbers and length-frequencies of all fish; numbe or weight of all benthos
A	70	stations	CTD	Temperatures and salinities at vertical gradient
A	97	hauls	MIK	MIK net (Method Isaac Kitt); Numbers and length-frequencies of clupeid larvae

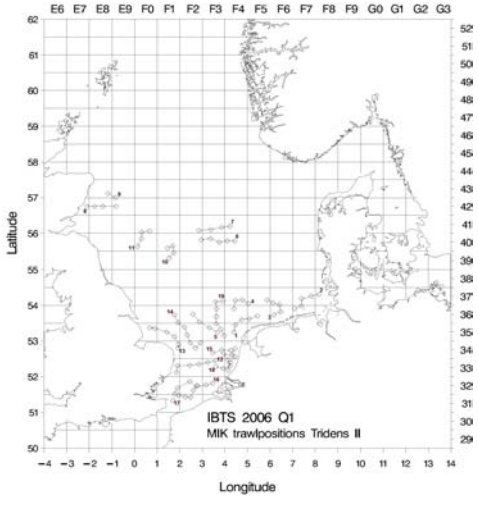
TRACK CHART: You are strongly encouraged to submit with the completed report, an annotated track chart illustrating the route followed and the points where measurements were taken.	√ Insert a tick (√) in this box if a track chart is supplied.

GENERAL OCEAN AREA(S):
NORTH SEA

SPECIFIC AREAS: -

GEOGRAPHIC COVERAGE - INSERT 'X' IN EACH SQUARE IN WHICH DATA WERE COLLECTED





THANK YOU FOR YOUR COOPERATION

Please send your completed report without delay to the collating centre indicated on the cover page.