NOTIFICATION OF PROPOSED RESEARCH

PART A : GENERAL

1. NAME OF RESEARCH SHIP: ***ZIRFAEA*** CRUISE NO: **wk. 3**

2. DATES OF CRUISE FROM ***18 January 2016*** TO ***23 January 2016***

3. OPERATING AUTHORITY

Ministry of Economic Affairs,
Department Agro Chains and Animal welfare
Prins Clauslaan 8
2595 AJ DEN HAAG

TELEPHONE ***06 - 52151407*** TELEX ***32040 Lavinl***

FACSIMILE ***070-3825648*** E-MAIL c.j.m.verbogt@minez.nl;

4. OWNER
(If different from Para 3)

5. PARTICULARS OF SHIP

NAME	***ZIRFAEA***
NATIONALITY	***Dutch***
OVERALL LENGTH	***63*** METRES
MAXIMUM DRAUGHT	3***,9*** METRES
NETT TONNAGE	***378***
POPULSION	**DIESEL**
CALL SIGN	***PBZV***
REGISTRATION PORT & NUMBER (if registered fishing vessel)	

6. CREW

NAME OF MASTER	***Dhr. P. Jongejan***
NUMBER OF CREW	***9***

7. SCIENTIFIC PERSONNEL

NAME AND ADDRESS OF SCIENTIST IN CHARGE	***C.J.G. van Damme*** ***IMARES (Institute for Marine Resources and Environmental Studies)*** ***P.O. Box 68, IJmuiden***
TEL/FAX NO	***+ 31 317 480900/487078***
NO: OF SCIENTISTS	***5***

8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference in Latitude & Longitude)
English Channel + Southern North Sea (East of 2°W/South of 53°N)

9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE: ***Herring larvae Survey***

10. DATES AND NAMES OF INTEND PORTS OF CALL: ***none***

11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL: ***none***

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B : GENERAL

1. NAME OF RESEARCH SHIP: ***ZIRFAEA*** CRUISE NO: **wk. 3**

2. DATES OF CRUISE FROM ***18 January 2016*** TO ***23 January 2016***

3. a) PURPOSE OF RESEARCH ***To collect data of the distribution of herring larvae. To obtain hydrographical data.***

   b) GENERAL OPRATIONAL METHODS (including full description of any fishing geartrawl type, mesh size etc:)
   Gulf VII planktonsampler

4. ATTACH CHART showing (on an appropriate scale) the geographical area of the intended work, positions od intended stations, tracks of survey lines, positions of moored/seabed equipment, areas to be fished:

5. a) TYPES OF SAMPLES REQUIRED eg Geological/Water/Plankton/Fish/Radionuclide:
   Plankton samples for analysing herring larvae.
   The sampler is dragged behind the vessel, while it is lowered down to approximately 5 meters above the bottom and up again.
   The planktonsampler is clearly NOT a bottom gear.

   b) METHODS OF OBTAINING SAMPLES (eg dredging/coring/drilling/fishing etc)
   (When using fishing gear indicate fish stocks being worked, quantity of each species require, quantity of fish to be retained on board)
   By fishing with a Gulf VII planktonsampler.

6. DETAILS OF MOORED EQUIPMENT: ***none***

DATES					
Laying	Recovery	Description	Depth	Latitude	Longitude

7. ANY HAZERDOUS MATERIAL: (Chemicals/Explosives/Gases/Raioactive etc)

(Use separate sheet if necessary) ***none***

a) TYPE AND TRADE NAME

b) CHEMICAL CONTENT (& Formula)

c) IMO IMDG CODE Reference & UN Number

d) QUANTITY & METHOD OF STOWAGE ON BOARD

e) IF EXPLOSIVES give date(s) of detonation

- Method of detonation

- Position of detonation

- Frequency of detonation

- Depth of detonation

- Size of explosive charge in Kgs

8. DETAIL & REFERENCE OF:

a) ANY RELEVANT PREVIOUS/FUTURE CRUISES:
Yearly, since 1959

b) ANY PREVIOUSLY PUBLISHED RESEARCH DATA RELATING TO THE PROPOSED CRUISE:
Reports of ICES Herring Working Group

9. NAMES AND ADDRESSES OF SCIENTISTS OF THE COASTAL STATE(S) IN WHOSE WATERS THE PROPOSED CRUISE TAKES PLACE WITH WHOM PREVIOUS CONTACT HAS BEEN MADE:
Staff members of the Fisheries Laboratories at Lowestoft, Steve Milligan (CEFAS) and Boulogne sur Mer, Christophe Loots (IFREMER).

10. STATE:

a) WHETHER VISITS TO THE SHIP IN PORT BY SCIENTISTS OF THE COASTAL STATE CONCERNED WILL BE ACCEPTABLE

YES

b) PARTICIPATION OF AN OBSERVER FROM THE COASTAL STATEFOR ANY PART OF THE CRUISE TOGETHER WITH THE DATES AND THE PORTS FOR EMBARKATION/DISEMBARKATION
Agreements will be made by IMARES IJmuiden

c) WHEN RESEARCH DATA FROM THE INTENDED CRUISE IS LIKELY TO BE MADE AVAILABLE TO THE COASTAL STATE AND BY WHAT MEANS
Cruise report

PART C: SCIENTIFIC EQUIPMENT

COMPLETE THE FOLLOWING TABLE -
SEPERATE PAGE FOR EACH COASTAL STATE

COASTAL STATE **FRANCE, UK, Belgium**

PORT CALL

DATES

INDICATE "YES" OR "NO"

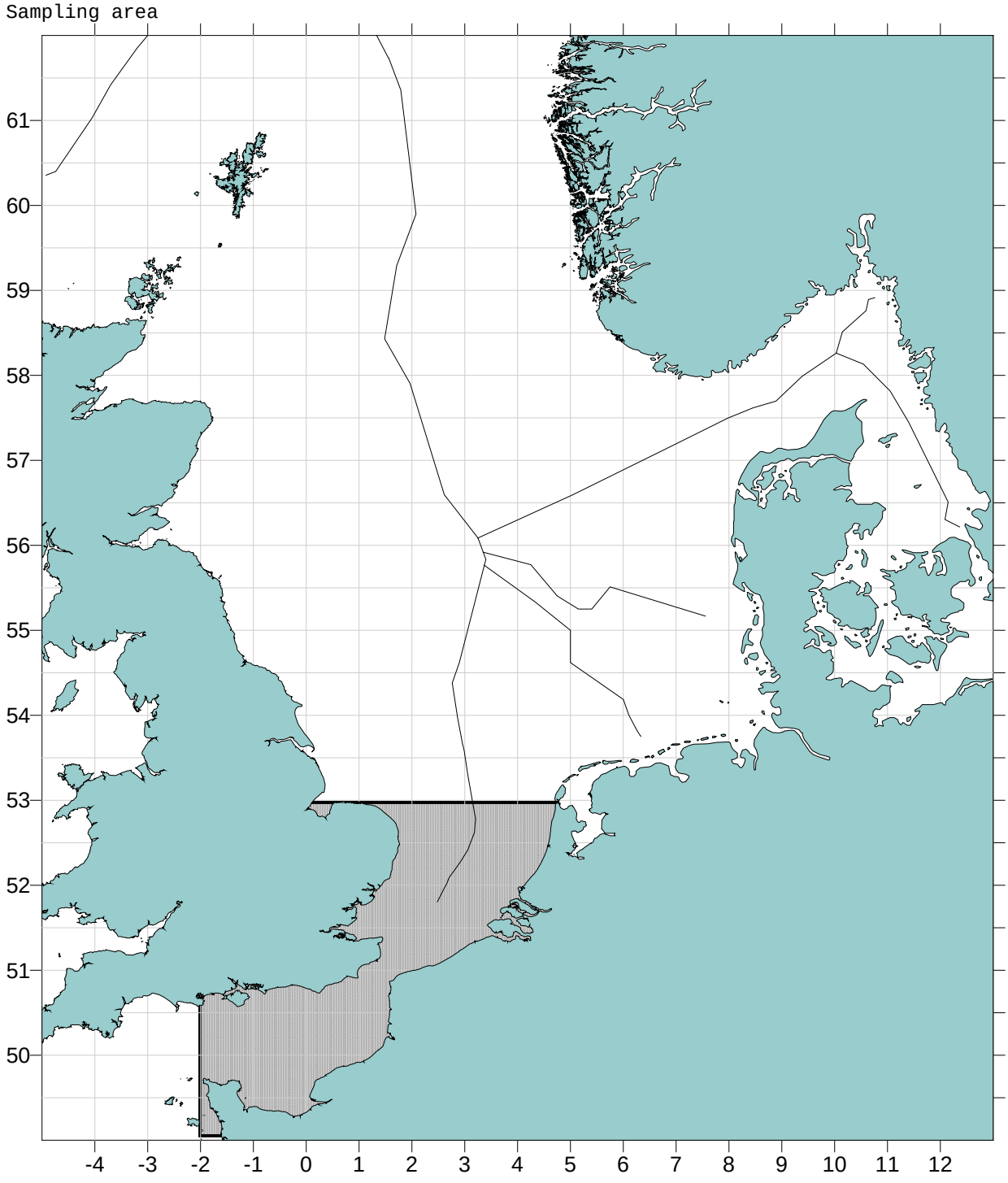
LIST SCIENTIFIC WORK BY FUNCTION eg: MAGNETOMETRY : GRAVITY DIVING : SEISMICS : BATHYMETRY SEABED SAMPLING TRAWLING ECHO SOUNDING : WATER SAMPLING U/W T.V. : MOORED INSTRUMENTS : TOWED INSTRUMENTS	WATER COLUMN INCLUDING SEDIMENT SAMPLING OF THE SEABED	FISHERIES RESEARCH WITHIN FISHING LIMITS	RESEARCH CONCERNING THE NATURAL RESOURCES OF THE CONTINENTAL SHELF OR ITS PHYSICAL CHARACTERISTICS	DISTANCE FROM COAST		
				WITHIN 12 NMS	BETWEEN 12-200 NM	(CONTINENTAL SHELF WORK ONLY) BEYOND 200 NM BUT WITHIN THE CONTINENTAL MARGIN
Gulf VII Planktonsampler	*yes*	*yes*	*no*	*yes*	*yes*	*no*
CTD-recorder	*yes*	*yes*	*no*	*yes*	*yes*	*no*

L. Cornelissen-Schaap
(On behalf to the Principal Scientist)

Dated ***8 July 2016***

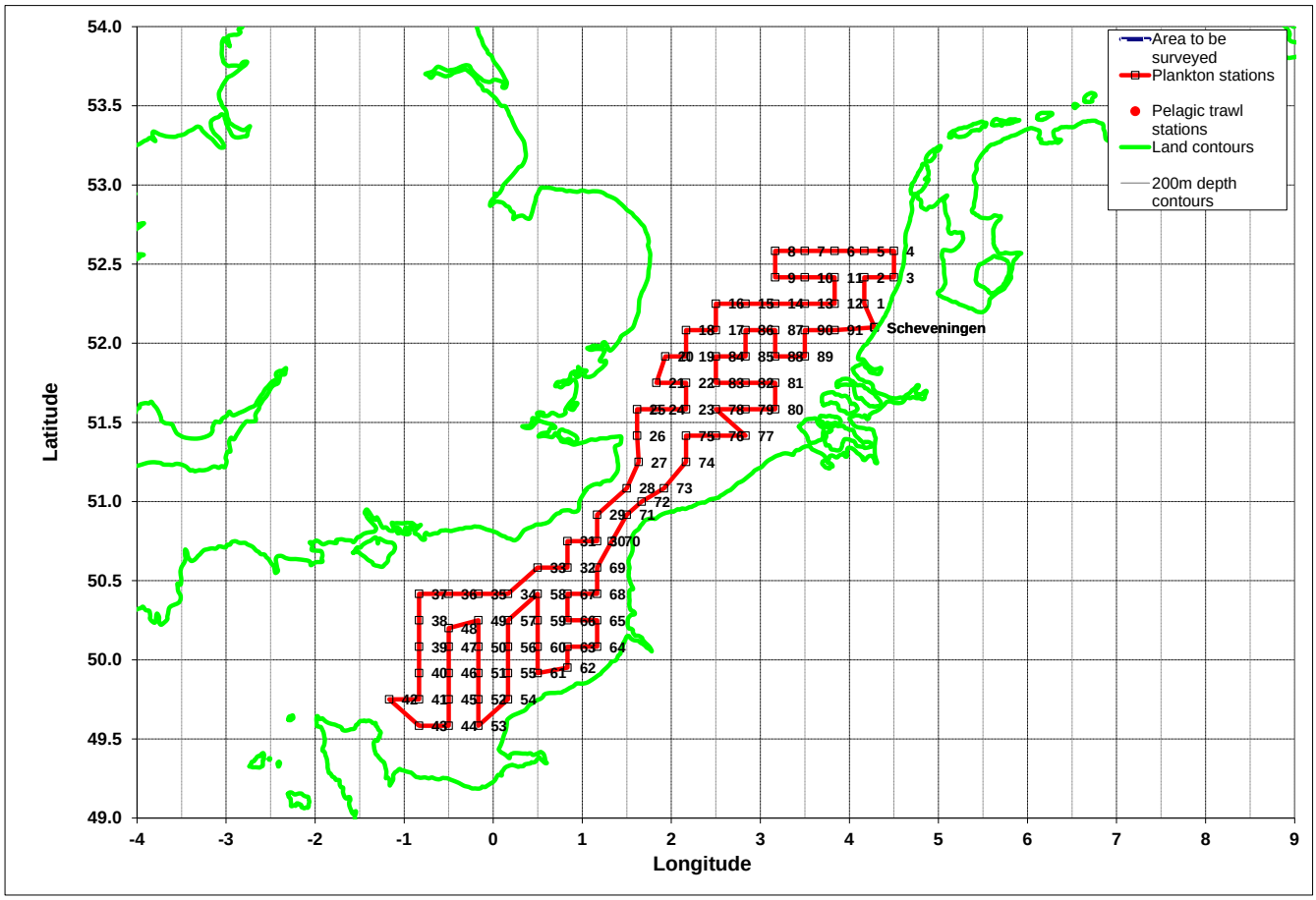
NB IF ANY DETAILS ARE MATERIALLY CHANGED REGARDING DATES/AREA OF OPERATION AFTER THIS FORM HAS BEEN SUBMITTED THE COASTAL STAE AUTHORITIES MUST BE NOTIFIED IMMEDIATELY.

Sampling area



Planned station grid, but can be subject to change due to the weather conditions or nautical restrictions.

Survey: Herring larvae survey, Week 3 201



Station	Latitude	Longitude
1	52.15	4.1
2	52.25	4.1
3	52.25	4.3
4	52.35	4.3
5	52.35	4.1
6	52.35	3.5
7	52.35	3.3
8	52.35	3.1
9	52.25	3.1
10	52.25	3.3
11	52.25	3.5
12	52.15	3.5
13	52.15	3.3
14	52.15	3.1
15	52.15	2.5
16	52.15	2.3
17	52.05	2.3
18	52.05	2.1
19	51.55	2.1
20	51.55	1.56
21	51.45	1.5
22	51.45	2.1
23	51.35	2.1
24	51.35	1.5
25	51.35	1.37
26	51.25	1.37
27	51.15	1.38
28	51.05	1.3
29	50.55	1.1
30	50.45	1.1
31	50.45	0.5
32	50.35	0.5
33	50.35	0.3
34	50.25	0.1
35	50.25	-0.1
36	50.25	-0.3
37	50.25	-0.5
38	50.15	-0.5
39	50.05	-0.5
40	49.55	-0.5
41	49.45	-0.5
42	49.45	-1.1
43	49.35	-0.5
44	49.35	-0.3
45	49.45	-0.3
46	49.55	-0.3
47	50.05	-0.3
48	50.12	-0.3
49	50.15	-0.1
50	50.05	-0.1
51	49.55	-0.1
52	49.45	-0.1
53	49.35	-0.1
54	49.45	0.1
55	49.55	0.1
56	50.05	0.1
57	50.15	0.1
58	50.25	0.3
59	50.15	0.3
60	50.05	0.3
61	49.55	0.3
62	49.57	0.5
63	50.05	0.5
64	50.05	1.1
65	50.15	1.1
66	50.15	0.5
67	50.25	0.5
68	50.25	1.1
69	50.35	1.1
70	50.45	1.2
71	50.55	1.3
72	51	1.4
73	51.05	1.55
74	51.15	2.1
75	51.25	2.1
76	51.25	2.3
77	51.25	2.5
78	51.35	2.3
79	51.35	2.5
80	51.35	3.1
81	51.45	3.1
82	51.45	2.5
83	51.45	2.3
84	51.55	2.3
85	51.55	2.5
86	52.05	2.5
87	52.05	3.1
88	51.55	3.1
89	51.55	3.3
90	52.05	3.3
91	52.05	3.5