

NOTIFICATION OF PROPOSED RESEARCH CRUISEPART A. GENERAL

1. NAME OF RESEARCH SHIP "Arctic Hunter" and "Reykjanes" CRUISE NO. Sand eel – 2019
2. DATES OF CRUISE FROM: 20/11-2019 TO : 20/12-2019
3. OPERATING AUTHORITY DTU Aqua (National Institute for Aquatic Resources)
Kemitorvet, Building 201, Room 037, DK-2800 Kgs. Lyngby, Denmark
E-mail: aqua@aqu.dtu.dk
4. OWNER (if different for para.3) Reykjanes: FOGA ApS.
Trafikhavnskaj 19, 6700 Esbjerg. Denmark
Phone +45 75 45 11 44, e-mail: fish.info@foga.dk
Arctic Hunter: Arctic Offshore ApS
c/o Finn Jakobsen
Lunavej 15, 7790 Thyholm, Denmark
Phone: +45 2168 9237, e-mail: Finnmappe@mail.dk
5. PARTICULARS OF SHIP
- | <u>NAME</u> | Arctic Hunter | Reykjanes |
|---|----------------------------|--|
| <u>NATIONALITY</u> | Danish | Danish |
| <u>OVERALL LENGTH</u> | 40,53 m | 40,16 m. |
| <u>MAXIMUM DRAUGHT</u> | 3.75m | 4.26 m |
| <u>NET TONNAGE</u> | 453 | 141 |
| <u>PROPULSION</u> | Arctic Hunter
Reykjanes | Caterpillar 3512 TA, 949 bHp/745KW
MAN B&W Alpha L23/30 1100BHP(84) |
| <u>CALL SIGN</u> | OUIK | OVS12 |
| <u>REGISTRATION PORT & NUMBER</u>
(if reg. fishing vessel) | | |
6. CREW
- | <u>NAME OF MASTER</u> | Finn Jakobsen | L.P. Stenberg |
|-----------------------|---------------|---------------|
| <u>NUMBER OF CREW</u> | 5 | 5 |
7. SCIENTIFIC PERSONNEL
- | <u>NAME AND ADDRESS OF SCIENTIST IN CHARGE</u> | Henrik Degel |
|--|-----------------------------------|
| <u>TEL NO Dir./ FAX NO</u> | +45 35 88 33 86 / +45 35 88 33 33 |
| <u>NUMBER OF SCIENTISTS</u> | Arctic Hunter: 1
Rekjanes: 1 |
8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference in Latitude and Longitude):
52° N - 58° N , 0° E – 10° E
9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE: Using modified mussel dredge for sand eel abundance survey
10. DATES AND NAMES OF INTENDED 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 Arctic Hunter/Reykjanes CRUISE NO. Sand eel – 2019

2. DATES OF CRUISE FROM 20.11.2019 TO 20.12.2019

3. a) PURPOSE OF RESEARCH

To collect samples of sandeels and samples of the seabed for estimating local abundance and distribution pattern of sandeels

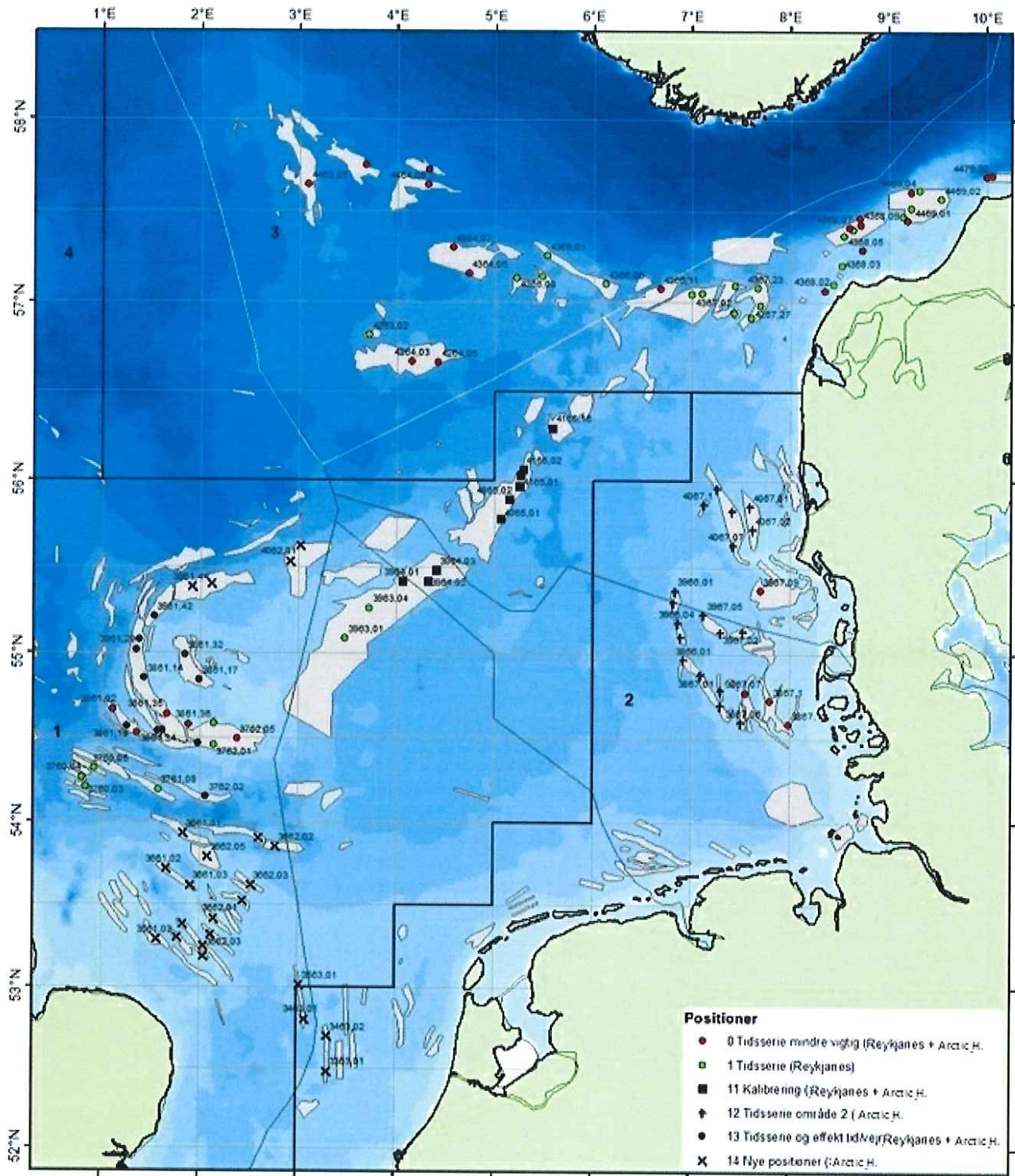
b) GENERAL OPERATIONAL METHODS (including full description of any fishing gear, trawl type, mesh size etc.)

Modified scallop dredge that collect sandeels from the upper 20 cm of the seabed.

Van Veen 0.1 m² grab + Van Veen 0.2 m² grab

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

The indication of station positions in the map below will be subject to modifications during the cruise depending on weather conditions and final decision on how the survey time will be distributed between the two vessels and the final decision on the extent of the need for calibration stations between the two vessels.



5. a) TYPES OF SAMPLES REQUIRED eg Geological/water/plankton/fish/radionuclide:

Sand eel and sediments samples

b) METHODS OF OBTAINING SAMPLES e.g. dredging/coring/drilling/fishing etc.)

Dredge and Van Veen grab.

6a. DETAILS OF MOORED EQUIPMENT:

Dates: **None**

<u>Laying</u>	<u>Recovery</u>	<u>Description</u>	<u>Latitude</u>	<u>Longitude</u>
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7. ANY HAZARDOUS MATERIALS e.g. chemicals/explosives/gases/radioactives etc)

None

(a) TYPE OF TRADE NAME

(b) CHEMICAL CONTENT (& FORMULA)

(c) IMO IMDG CODE Reference & UN Number

(d) QUANTITY & METHODS 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:

The Sand eel survey has been carried out since 2006 to be able to estimate the strength of the new year class of sand eel in the North Sea

(b) ANY PREVIOUSLY PUBLISHED RESEARCH DATA RELATING TO THE PROPOSED CRUISE:

The data obtained is part of the data foundation on which the catch quota for sand eel is based.

9. NAMES AND ADDRESSES OF SCIENTISTS IN COASTAL STATE(S) IN WHOSE WATERS THE PROPOSED CRUISE TAKES PLACE WITH WHOM PREVIOUS CONTACT HAS BEEN MADE:

John Cotter

CEFAS

Pakefield Road

Lowestoft

Suffolk NR33 0HT

Tel: +44 (0) 1502 562244

10. STATE:

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

Yes

(b) PARTICIPATION OF AN OBSERVER FROM THE COASTAL STATE FOR ANY PART OF THE CRUISE TOGETHER WITH THE DATES AND THE PORTS FOR EMBARKATION/DISEMBARKATION:

Any dates for a potential port call will depend on the detailed planning of the cruise, which will be decided during the cruise depending of the weather conditions and other circumstances.

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

Obtained data will be made available through ICES in connection with the publication of the biological advice for sand eel.

12. SCIENTIFIC EQUIPMENT

COASTAL STATE:

United Kingdom

PORT CALL:

COMPLETE THE FOLLOWING TABLE –
SEPARATE COPY FOR EACH COASTAL STATE

DATES:

INDICATE "YES" OR "NO"

<u>LIST SCIENTIFIC WORK BY FUNCTION</u>		FISHERIES RESEARCH WITHIN FISHING LIMITS	RESEARCH CONCERNING THE NATURAL RESOURCES OF THE CONTINENTAL SHELF OR ITS PHYSICAL CHARACTERISTICS	<u>DISTANCE FROM COAST</u>		
				WHITIN 12 NMS	BETWEEN 12-200 NMS	CONTINENTAL SHELF WORK ONLY: BEYOND 100 NM BUT WITHIN THE CONTINENTAL MARGIN
e.g. : 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					
Van Veen	No	Yes	No	No	Yes	No
Modified scallop dredge	No	Yes	No	No	Yes	No

Linda Stuhr Christensen

(On behalf of the Principal Scientist)

Dated: 28/5/19

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