Application for Consent to conduct
Marine Scientific Research

Date: Oct. 29, 2018

1. General Information

1.1 Cruise name and/or number: 2019831

1.2 Sponsoring Institution(s):	
Name:	Institute of Marine Research
Address:	P.O.Box 1870 Nordnes N-5024 Bergen Norway
Name of Director:	Sissel Rogne

1.3 Scientist in charge of the Project:	
Name:	Åge Høines
Country:	Norway
Affiliation:	Institute of Marine Research
Address:	P.O.Box 1870 Nordnes N-5024 Bergen Norway
Telephone:	+47 55238500
Fax:	+47 55238531
Email:	aageh@hi.no
Website (for CV and photo):	NA

1.4 Entity(ies)/Participant(s) from coastal State involved in the planning of the project:	
Name:	Eric Armstrong
Affiliation:	FRS Marine Laboratory
Address:	PO Box 101, 375 Victoria Road, Aberdeen, AB11 9DB, UK
Telephone:	
Fax:	
Email:	E.Armstrong@MARLAB.AC.UK
Website (for CV and photo):	NA

2. Description of Project

2.1 Nature and objectives of the project:
IBWSS, International Blue Whiting Spawning stock Survey, coordinated by ICES. The main purpose of the cruise is the assessment of the spawning stock size, distribution and migrations of blue whiting using acoustic methods combined with sampling with pelagic trawls. The cruise is part of an international coordinated blue whiting survey with vessels from the Netherlands, Ireland, the Faroes, Norway, and Russia participating. Information on other species such as argentines, mackerel and horse mackerel are collected upon encounter.

2.2 If designated as part of a larger scale project, then provide the name of the project and the Organisation responsible for coordinating the project:
International blue whiting spawning stock survey (IBWSS), organized by the WGIPS (ICES)

2.3 Relevant previous or future research projects:
The cruise has been undertaken since spring 1986-1996, 1998-2012 and 2014-2018 with Norwegian research vessels. A similar cruise for spring 2020 is planned.

2.4 Previous publications relating to the project:

Report of the Working Group of International Pelagic Surveys (WGIPS). ICES CM 2018/EOSG:14 Ref. ACOM and SCICOM, ICES, Copenhagen (http://ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/EOSG/2018/WGIPS/WGIPS%20report%202018.pdf).

3. Geographical Areas

3.1 Indicate geographical areas in which the project is to be conducted (with reference in Latitude and longitude in decimal degrees, including coordinates of cruise/track/way points/sampling stations). Please provide coordinates in a separate excel spreadsheet.
Area of operation is the Atlantic Ocean in the area west of Scotland (Hebrides), including work inside the UK EEZ Survey area covers: 54°N - 62° N, 18°W - 02°W

3.2 Attach chart(s) at an appropriate scale (1 page, high-resolution) showing the geographical Areas of the intended work and, as far as practicable, the location and depth of sampling Stations, the tracks of survey lines, and the locations of installations and equipment.
See Fig. 1 for map of IBWSS survey area and the coverage in 2018. Detailed planning with each participating vessel's survey track for 2019 to be done at a later stage by the international coordinator.

4. Methods and means to be used

4.1 Particulars of vessel:	
Name:	Kings Bay
Type/Class:	Fishing vessel
Nationality (Flag State):	Norwegian
Identification Number (IMO/Lloyds No.):	9617985
Owner:	Kings Bay AS
Operator:	Institute of Marine Research
Overall length (meters):	77.5 m
Maximum draught:	7.5 m
Displacement/Gross Tonnage:	4027 GT
Propulsion:	4000 Kw
Cruising & maximum speed:	14 / 18.5 Knots
Call sign:	LCNN
INMARSAT number and method and capability of communication (including emergency frequencies):	Telephone: 21549242-43-44-45 (mob phone: +47 900 75 641) Telefax: E-mail: bjorn@kings-bay.no
Name of Master:	Bjørn Sævik
Number of Crew:	11
Number of Scientists on board:	7 (8)

4.2 Particulars of Aircraft:	
Name:	
Make/Model:	
Nationality (flag State):	
Website for diagram & Specifications:	
Owner:	
Operator:	
Overall Length (meters):	
Propulsion:	
Cruising & Maximum speed:	
Registration No.:	
Call Sign:	
Method and capability of communication (including emergency frequencies):	
Name of Pilot:	

Number of crew:	
Number of scientists on board:	
Details of sensor packages:	
Other relevant information:	

4.3 Particulars of Autonomous Underwater Vehicle (AUV):	
Name:	
Manufacturer and make/model:	
Nationality (Flag State):	
Website for diagram & Specifications:	
Owner:	
Operator:	
Overall length (meters):	
Displacement/Gross tonnage:	
Cruising & Maximum speed:	
Range/Endurance:	
Method and capability of communication (including emergency frequencies):	
Details of sensor packages:	
Other relevant information:	

4.4 other craft in the project, including its use:

4.5 Particulars of methods and full description of scientific instruments to be used (for fishing gear specify type and dimension)			
Types of samples and Measurements:	Methods to be used:	Instruments to be used:	To be carried out within 12nm (yes or no):
Fish	Pelagic trawl	Multpelt 832 trawl	No
Fish larvae, eggs	Vertical plankton haul	WP2	No
Water	Water collection	CTD	No

4.6 Indicate nature and quantity of substances to be released into the marine environment:
NONE

4.7 Indicate whether drilling will be carried out. If yes, please specify:
NA

4.8 Indicate whether explosives will be used. If yes, please specify type and trade name, Chemical content, depth of trade class and stowage, size, depth of detonation, frequency of Detonation, and position in latitude and longitude:
NA

5. Installations and Equipment

Details of installations and equipment (including dates of laying, servicing, method and Anticipated timeframe for recover, as far as possible exact locations and depth, and Measurements):
NA

6. Dates

6.1 Expected dates of first entry into and final departure from the research area by the research vessel and/or other platforms:
Sometime within the period 23.03 – 06.04. Timing and location of where the vessel will be is weather dependent and therefore difficult to predict.

6.2 Indicate if multiple entries are expected:
Probable.

7. Port Calls

7.1 Dates and Names of intended ports of call:
NONE

7.2 Any special logistical requirements at ports of call:
NONE

7.3 Name/Address/Telephone of shipping agent (if available):
NA

8. Participation of the representative of the coastal State

8.1 Modalities of the participation of the representative of the coastal State in the research Project:
NA

8.2 Proposed dates and ports for embarkation/disembarkation:
NA

9. Access to Data, Samples and Research Results

9.1 Expected dates of submission to coastal State of preliminary report, which should include The expected dates of submission of the data and research results:
International report within 2 months

9.2 Anticipated dates of submission to the coastal State of the final report:
International report produced by a post-cruise meeting in the end of April.

9.3 Proposed means for access by coastal State to data (including format) and samples:
NA

9.4 Proposed means to provide coastal State with assessment of data, samples and Research results:
NA

9.5 Proposed means to provide assistance in assessment or interpretation of data, samples And research results:
NA

9.6 Proposed means of making results internationally available:
All data stored in the PGNAPES database and reported to ICES within 2 months.

10. Other permits Submitted

10.1 Indicate other types of coastal state permits anticipated for this research (received or Pending):
NA

11. List of Supporting Documentation

11.1 List of attachments, such as additional forms required by the coastal State, etc.:
Figure of survey area.

Signature:

Contact information of the focal point:
Name: Åge Høines
Country: Norway
Affiliation: Institute of Marine Research
Address: P.O.Box 1870 Nordnes, N-5024 Bergen Norway
Telephone: +47 55238500
Fax: +47 55238687
Email: aageh@hi.no

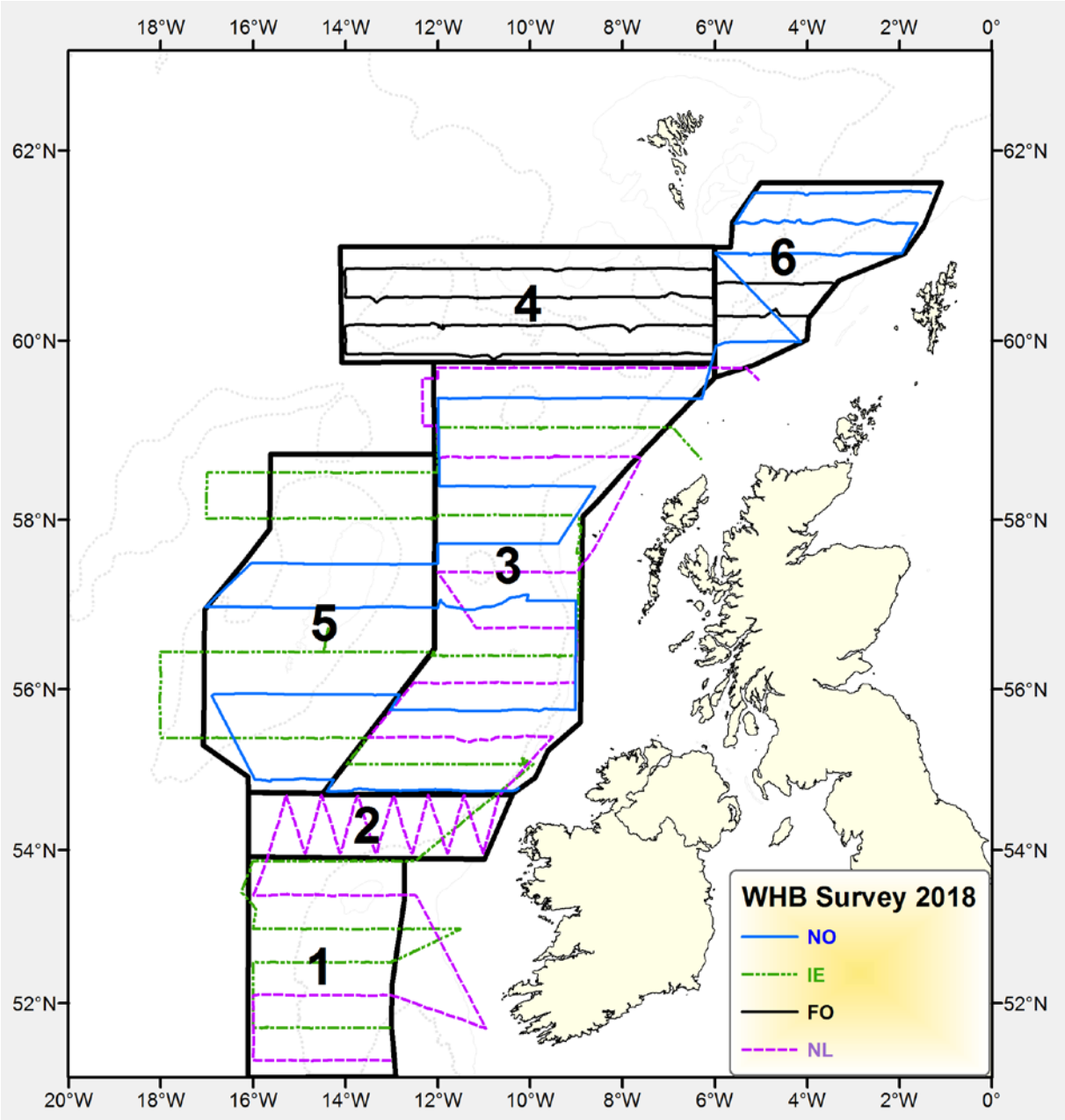

Figure 1. Strata and cruise tracks for the individual vessels (country) during the International Blue Whiting Spawning Stock Survey (IBWSS) from March-April 2018. The 2019 survey is planned in the same way.