

Application for Consent to conduct Marine Scientific Research

Date: 6 August 2019

1. General Information

1.1 Cruise name and/or numbr:
FV Dirk Dirk (KW172) on NW Herring Industry Survey in 2019

1.2 Sponsoring Institution(s):	
Name:	Marine Scotland Science, Marine Lab Aberdeen
Address:	375 Victoria Road, Aberdeen, AB11 9DB
Name of Director:	Dr. Ian Davies

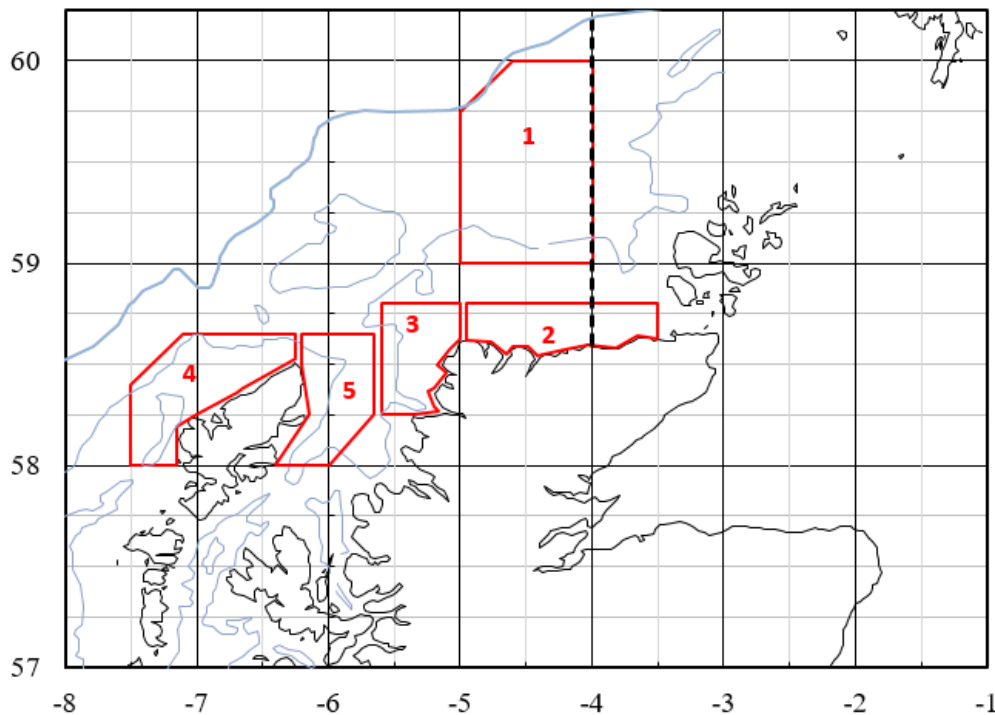
1.3 Scientist in charge of the Project:	
Name:	Susan Lusseau
Country:	Scotland
Affiliation:	Fisheries scientist
Address:	375 Victoria Road, Aberdeen, AB11 9DB
Telephone:	+44 1224295531
Fax:	
Email:	s.lusseau@marlab.ac.uk
Website (for CV and photo):	https://uk.linkedin.com/in/susan-lusseau-721a021

1.4 Entity(ies)/Participant(s) from coastal State involved in the planning of the project:	
Name:	Pelagic Advisory Council (Mrs. Verena Ohms) Scottish Pelagic Fishermen Association (Mr Steve Mackinson) Pelagic Freezer-trawler Association (Mr Martin Pastoors)
Affiliation:	Stakeholder involvement in herring survey and management herring stock in 6a
Address:	PELAC: Louis Braillelaan 80, 2719 EK Zoetermeer, Netherlands SPFA, 1 Frithside Street, Fraserburgh, Aberdeenshire AB43 PFA: Louis Braillelaan 80, 2719 EK Zoetermeer, Netherlands
Telephone:	PELAC: +31 6 28 20 73 17 SPFA: +44 7803 041 021 PFA: +31 631 901 027
Fax:	
Email:	PELAC: a.kats@pelagic-ac.org SPFA: steve.mackinson@scottishpelagic.co.uk PFA: mpastoors@pelagicfish.eu
Website (for CV and photo):	https://www.linkedin.com/in/anne-marie-kats-45953927 https://www.linkedin.com/in/steven-mackinson-4a5a321a/ https://www.linkedin.com/in/martinpastoors/

2. Description of Project

2.1 Nature and objectives of the project:

Permission is requested for the FV Dirk Dirk (KW172) to be able to participate in the 2019 6aN industry herring survey which involves carrying out a number of survey and commercial fishing hauls within the UK territorial waters in the survey areas 2, 3, 4 and 5.



The starting date will be around the 13th of September and being carried out during around 10 days. This survey and fishery will be carried out in the context of the monitoring TAC for herring in 6a North and 7bc.

The activities by FV Dirk Dirk will be part of a wider survey into the herring stock in 6a and 7bc, done by other (UK and Irish flagged) vessels.

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:

Susan Lusseau is the coordinator of the project in Marine Scotland Science. Mike O'Malley is the scientific coordinator in the Marine Institute in Ireland. Both Steve Mackinson and Martin Pastoors are coordinating the survey from the industry side as the survey is done by the commercial vessels.

2.3 Relevant previous or future research projects:

A large EU funded research project has been carried out between 2003-2006 to investigate stock structure of herring stocks west of the British isles (WESTHER). One of the conclusions of this project was that the 6a North stock is distinct from the 6a South-7bc stock.

The ICES benchmark workshop on western herring (WKWEST, 2015) found that the methods used to separate herring in catches and surveys were inconclusive. ICES therefore decided to merge the two herring stocks into one assessment, while recognizing that they were still likely to be two distinct stocks.

2.4 Previous publications relating to the project:

Hatfield, E. M. C., Nash, R. D. M., Zimmermann, C., Schön, P. J., Kelly, C., Dickey-Collas, M., MacKenzie, K., et al. 2007. The scientific implications of the EU Project WESTHER (Q5RS-2002-01056) to the assessment and management of the herring stocks to the west of the British Isles. 50. 11 pp.

ICES. 2010. Report of the Study Group on the evaluation of assessment and management strategies of the western herring stocks (SGHERWAY), 14-18 June 2010, Dublin, Ireland. ICES C.M. 2010 / SSGSUE:08.

ICES. 2015. Report of the Benchmark Workshop on West of Scotland Herring (WKWEST), 2-6 February 2015, Dublin. ICES C.M. 2015 / ACOM:34.

ICES. 2016. Report of the Herring Assessment Working Group for the Area South of 62N (HAWG), Copenhagen, 29 March - 7 April 2016. ICES C.M. 2016 / ACOM:07.

ICES 2016. 5.3.33 Herring (*Clupea harengus*) in divisions 6.a and 7.b-c (west of Scotland, west of Ireland). In Report of the ICES Advisory Committee, 2016.

ICES 2016. 5.4.3 EU request for advice on a scientific monitoring fishery for herring in ICES divisions 6.a, 7.b, and 7.c. In Report of the ICES Advisory Committee, 2016.

ICES (2018). Report of the Working Group on International Pelagic Surveys (WGIPS), 15–19 January 2018, Den Helder, the Netherlands. ICES C.M. 2018 / EOSG: 14.

ICES (2019). Report of the Working Group on International Pelagic Surveys (WGIPS), 14–18 January 2019, Santa Cruz, Tenerife, Spain. ICES Scientific Reports. 1: 11.

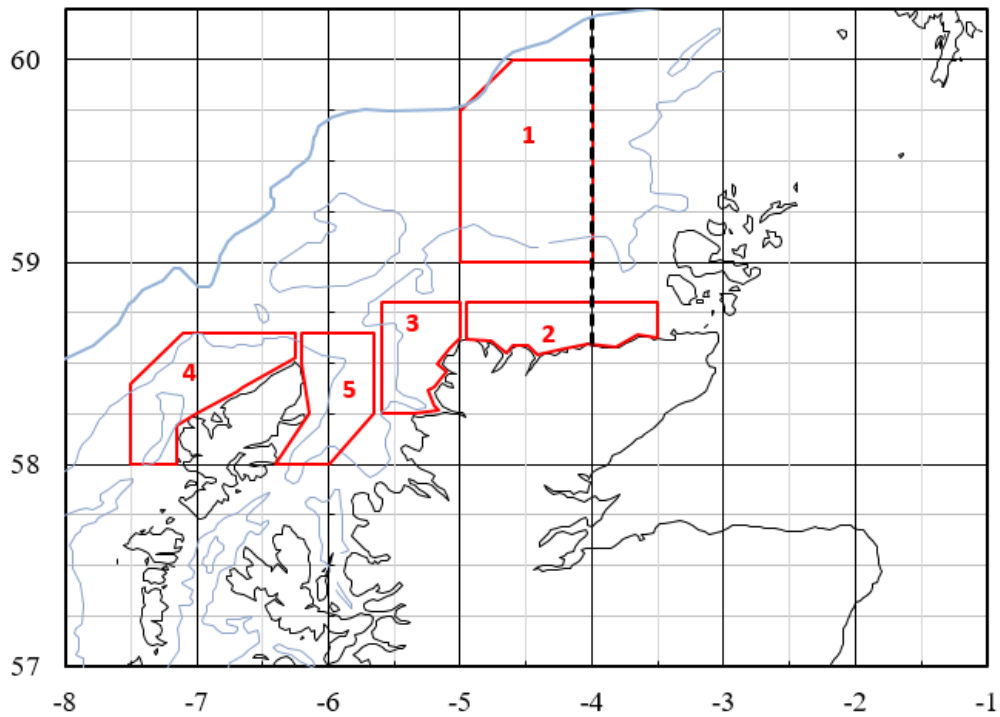
Mackinson, S., et al. (2017). Report on the 2016 industry-science survey of herring in the Western British Isles (ICES Divisions 6a, 7bc): 82 pp.

Mackinson, S., et al. (2018). Report on the 2017 industry-science survey of herring in the Western British Isles (ICES Divisions 6a, 7bc): 86 pp.

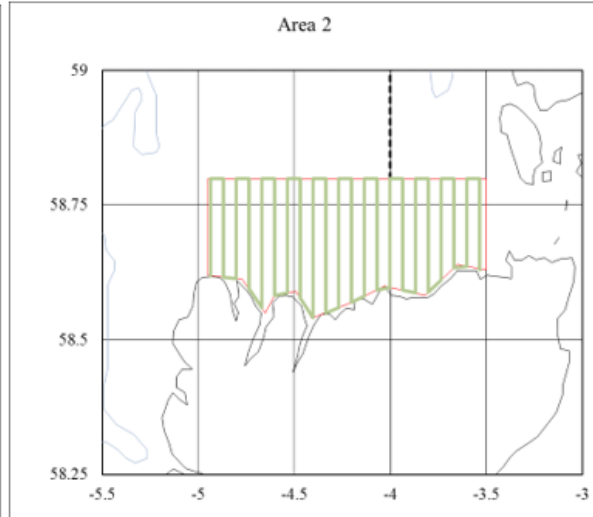
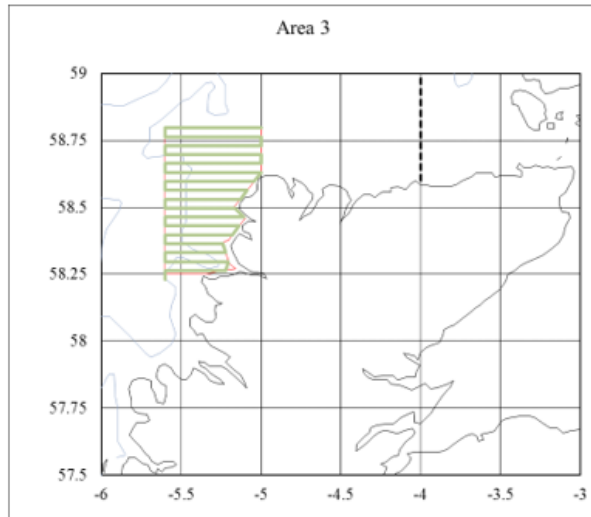
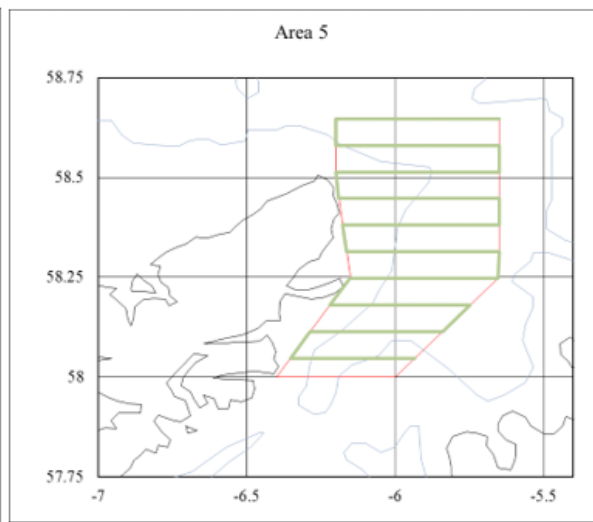
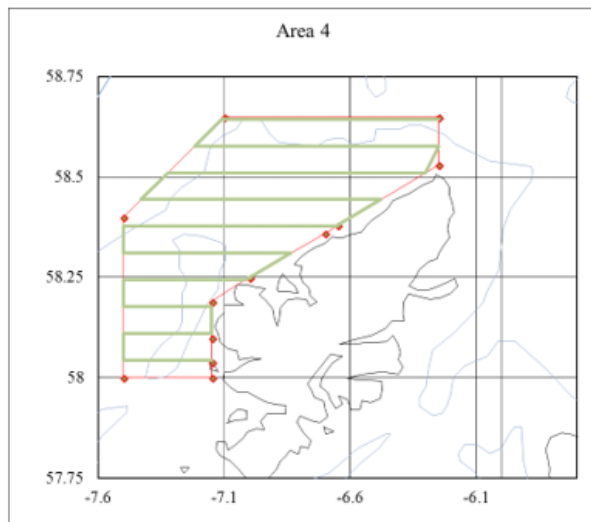
Mackinson, S. et al. (2019). Report on the 2018 industry-science survey of herring in the Western British Isles (ICES Divisions 6a, 7bc): 104 pp.

3. Geographical Areas

3.1 Indicate geographical areas in which the project is to be conducted (with reference in Latitude and longitude in degrees, including coordinates of cruise/track/way points/sampling stations). Please provide coordinates in a table format using a separate excel spreadsheet.



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.



4. Methods and means to be used

4.1 Particulars of vessel:	
Name:	Dirk Dirk (KW172)
Type/Class:	Pelagic Freezer trawler
Nationality (Flag State):	Netherlands (NL)
Identification Number (IMO/Lloyds No.):	8209171
Owner:	Rona B.V.
Operator:	Parlevliet and Van der Plas
Overall length (meters):	95.18 meter
Maximum draught:	6.5 meter
Displacement/Gross Tonnage:	3181 GT
Propulsion:	3200 KW
Cruising & maximum speed:	10/12.5 knots
Call sign:	PBBZ
INMARSAT number and method and capability of communication (including emergency frequencies):	Sat-c's: 424401457 / 424401456 Email: Bridge.172@pp-fleet.eu VSat tel: +31 20 3690801 fleet broadband tel: +870 773943257
Name of Master:	Henk Krijgsman
Number of Crew:	30
Number of Scientists on board:	1-2

4.2 Particulars of Aircraft:	
Name:	Not relevant

4.3 Particulars of Autonomous Underwater Vehicle (AUV):	
Name:	Not relevant

4.4 other craft in the project, including its use:	
Not relevant	

4.5 Particulars of methods, full description of scientific instruments to be used (for fishing gear specify type and dimension and for geophysical survey the type of equipment, source levels, frequency and duty cycle to be used) and location			
Types of samples and Measurements:	Methods to be used:	Instruments to be used:	To be carried out within 12nm (yes or no):
Acoustic recordings	SIMRAD ES70 echosounder	Hull-mounted SIMRAD ES70 echosounder	Yes
Acoustic recordings	SIMRAD ES70 echosounder	Towed body with SIMRAD ES70 echosounder	Yes
Acoustic survey samples	Fishing	Commercial fishing gear	Yes
Length/age/maturity samples	Traditional fisheries biology methods	Preliminary analysis on board and subsequent lab-analyses by Wageningen Marine Research.	Yes

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

4.7 Indicate whether drilling will be carried out. If yes, please specify:
None

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:
None

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):
Pelagic midwater trawl gear will be used

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:
~ 13-23 September 2019
6.2 Indicate if multiple entries are expected:
Yes

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):
None

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:
Marine Scotland Science is coordinating the overall survey efforts.

8.2 Proposed dates and ports for embarkation/disembarkation:

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:
November 2019

9.2 Anticipated dates of submission to the coastal State of the final report:
January 2020

9.3 Proposed means for access by coastal State to data (including format) and samples:
Data will be held at Marine Scotland Science.

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

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

9.6 Proposed means of making results internationally available:
Report to be submitted to ICES Herring Assessment Working Group 2020

10. Other permits Submitted

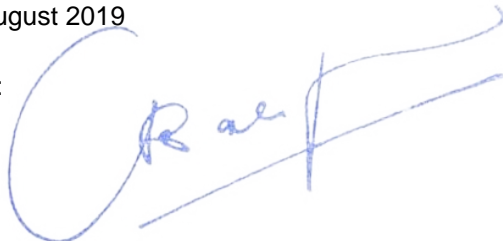
10.1 Indicate other types of coastal state permits anticipated for this research (received or Pending):
None

11. List of Supporting Documentation

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

Date: 6 August 2019

Signature:



Gerard van Balsfoort

President of the Pelagic Freezer-trawler Association

Contact information of the focal point:

Name: Martin Pastoors
Country: Netherlands
Affiliation: Pelagic Freezer-trawler Association (PFA)
Address: Louis Braillelaan 80, 2719 EK Zoetermeer, Netherlands
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Fax: not available
Email: mpastoors@pelagicfish.eu