APPLICATION FOR THE CONSENT TO CONDUCT MARINE SCIENTIFIC RESEARCH IN AREAS UNDER NATIONAL JURISDICTION OF THE UNITED KINGDOM

Date: 31/05/2011

1. General information

1.1 Cruise name and/or number: Irish Groundfish Survey 2011 – IGFS11

1.2 **Sponsoring institution:** Marine Institute

Name: Marine Institute

Address: The Marine Institute,
Rinville,
Oranmore
Co. Galway
Ireland

Name of Chief Executive: Dr. Peter Heffernan

1.3 **Scientist in charge of the project:**

Name: David Stokes

Address: Fisheries Science Services
The Marine Institute,
Rinville,
Oranmore
Co. Galway
Ireland

Telephone: 00-353-(0)91-387200
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1.4 **Scientist(s) from UNITED KINGDOM involved in the planning of the project**

Name(s): Dr. Jim Eilis/ Brian Harley
Address: CEFAS
The Center for Environment,
Fisheries and Aquaculture Science,
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Kenny Coull
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P.O. Box 101
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1.5 Submitting officer:

Name and address: Aodhan Fitzgerald

Name and address:
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Oranmore
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Country: Ireland

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2. Description of project (Attach additional pages as necessary)

2.1 Nature of objectives of the project:
The Irish Groundfish Survey (IGFS) is carried out in the 4th quarter annually as part of an internationally coordinated demersal trawl survey effort under the ICES working group for International Bottom Trawl Surveys (IBTS). The primary objective is to use trawl sampling to provide an annual relative index of abundance and recruitment for commercially exploited fish stocks.

2.2 Relevant previous or future research cruises:
Annual 4th quarter survey since 1997.

2.3 Previously published research data relating to the project:

3. Methods and means to be used

3.1 Particulars of vessel

Name: RV Celtic Explorer

Nationality: Irish

Owner: Marine Institute

Overall length: 65.5m

Maximum draught: 5.7m

Net tonnage: 2435t

Propulsion: Diesel electric propulsion plant 2 inverter controlled variable speed reversing dc propulsion motor in tandem with max total output of 3mw running a 16 pitch propeller. Propeller diameter =3500mm, pull at 4knots=ca 30tons

Cruising speed: 14 knots

Call sign: EIGB

Method and capability of communication –
Vsat Satellite Broadband
Imarsat –c
HF
VHF
Mini –M

Name of master: Antony Hobin /Dennis Rowan

Number of crew: 14

Number of scientists on board: </= 17

3.2 Aircraft or other craft to be used in the project: N/A

3.3 Particulars of methods and scientific instruments

Types of samples and data	**Methods to be used**	**Instruments to be used**
Fish Samples	According to IBTS	GOV demersal trawl
CTD		Seabird Rosette
Echosounder	According to LINZ	Multibeam echosounder
Echosounder	According to LINZ	Single beam echosounder
Sediment Grab samples – ground truthing	According to LINZ	Grab samples

3.4 Indicate whether harmful substances will be used:
None

3.5 Indicate whether drilling will be carried out:
None

3.6 Indicate whether explosives will be used
None

4. Installations and equipment

Details of installations and equipment (dates of laying, servicing, recovery, exact locations and depth):
None

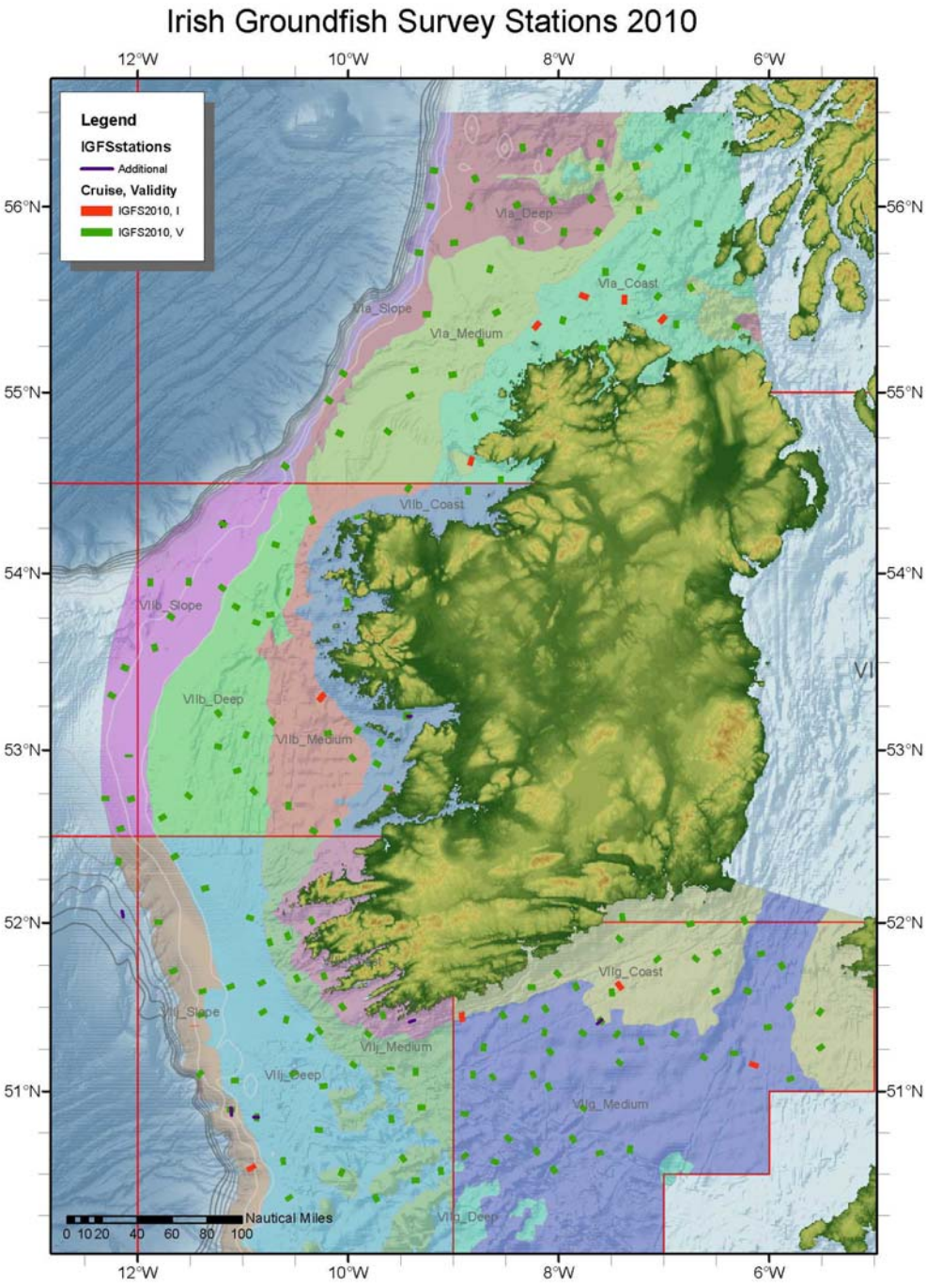
5. Geographical areas

5.1 Indicate geographical areas in which the project is to be conducted (with reference in latitude and longitude):

West of Scotland in ICES division VIa south of 56.5°N, and all of VIIb. In the Celtic Sea the survey will cover VIIg and VIIj north of the 50°N line and west to the 600m contour.

5.2 Attach chart(s) at an appropriate scale showing the geographical areas of the intended work and, as far as practicable, the positions of intended stations, the tracks of survey lines, and the locations of installations and equipment.

Station positions for the survey carried out in 2010 are indicative of the sampling sites and intensity for IGFS11, although an element of randomization within the survey extent is integral to the sampling design.



Dates

During September 24th – October 6th 2010 ICES area VIa South will be sampled. The survey then recommences to the west of Ireland from the 12th November – 17th December to survey the Celtic Sea and West of Ireland (ICES area VIIb, g & j).

6.1 Expected dates of first entry into final departure from research area of the research vessel:

During September 24th – October 6th 2011. Following that a second leg will be performed between Nov 12th and December 17th in the Celtic Sea area to include UK territory of VIIg (see map above).

6.2 Indicate if multiple entry is expected:
Yes

Port calls

7.1 Dates and names of intended ports of calls in UNITED KINGDOM:
None in the UK

7.2 Any special logistical at ports of call:
None

7.3 Names/ Address / Telephone of shipping agent (if available)

8. Participation

8.1 Extent to which UNITED KINGDOM will be enabled to participate to be represented in research project:
At least one berth will be made available for participation in all legs of the survey.

8.2 Proposed dates and ports for embarkation / disembarkation:

Survey will mobilise and terminate in Ireland.

9. Access to data, samples and research results

9.1 Expected dates of submission to UNITED KINGDOM preliminary reports which should include the expected dates of submission of the final results:
To the ICES International Bottom Trawl Working Group (IBTS) working group in March 2012, as well as each of the ICES assessment working groups.

9.2 Proposed means for access by UNITED KINGDOM to data and samples:
Through IBTS representative in the Marine Institute, Dave Stokes, and Marine Institute Website.

9.3 Proposed means to provide UNITED KINGDOM with assessment of data, samples and research results or provide assistance in their assessment or interpretation:
Through the IBTS working group report in March 2012, the DATRAS database at ICES and the relevant ICES assessment working group reports.

9.4 Proposed means of making research results internationally available:
Through the IBTS working group report in March 2012, the DATRAS database at ICES, the Marine Institute website and the relevant ICES assessment working group reports.

10. Scientific Equipment

COMPLETE THE FOLLOWING TABLE-
SEPARATE PAGE FOR EACH COSTAL STATE:

INDICATE YES OR NO

LIST SCIENTIFIC WORK BY FUNCTION: MAGNETOMETRY GRAVITY BATHYMETRY SEABED SAMPLING ECHO SOUNDING	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 characteri-stics	DISTANCE FROM COAST		
				Within 12nms Yes	Between 12-200nms YES	(Continental shelf work) YES
Trawling Multibeaming CTD's	No Yes Yes	Yes Yes Yes	Yes Yes Yes	Na		

Dave Stokes

(On behalf of the Principle Scientist)

Dated 31/05/11
