

Irish Cold-Water Coral Metadata Report

This Report summarises the data currently available of relevance to the Irish Cold Water Coral areas.

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Funded by the Marine Institute and the Department of Environment, Heritage and Local Government

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Introduction

The following report was commissioned and funded by the Marine Institute and the National Parks and Wildlife Service of the Department of Environment, Heritage and Local Government. The report contains details of datasets that would be of interest to bodies currently requiring detailed information pertaining to cold water coral areas in Irish waters.

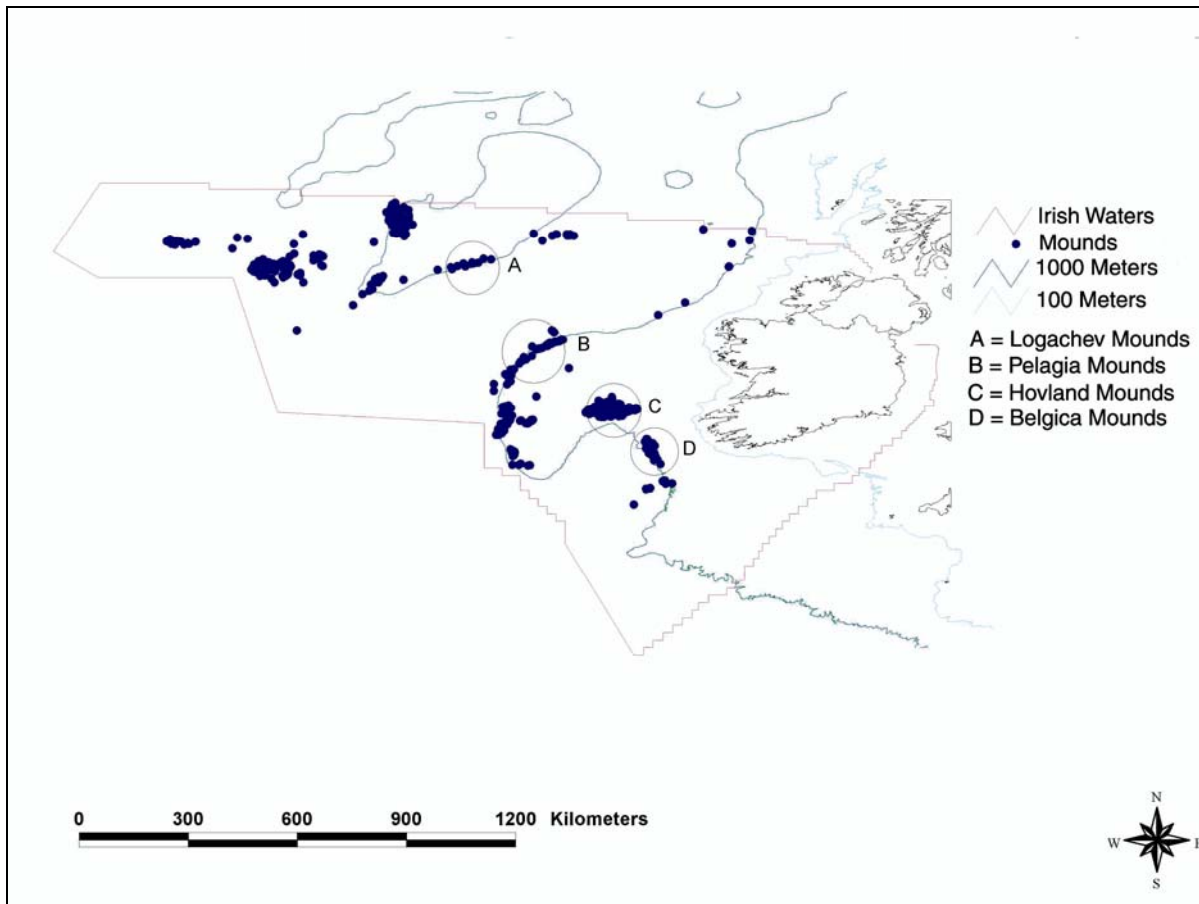


Figure 1. To date, the four mound provinces above have been the areas of interest in relation to the presence of the Coral *Lophelia pertusa* in Irish waters. The mounds above are underwater mound features and are not necessarily all carbonate mounds.

In addition to the dataset metadata contained in this report, many of the datasets that are referred to were acquired, formatted, databased and placed in a GIS project. In total over 62,000 data points, in addition to shape files and images were plotted. Due to the confidentiality of many of these datasets no graphical representation or information contained within these datasets are printed in this report. It is solely as the discretion of the body that holds the information that additional information beyond the scope of this report can be provided. The author gratefully acknowledges the assistance of all bodies and individuals mentioned in this report, in providing information and confidential data to assist in the data gathering process for the conservation of cold water coral areas in Irish waters.

1) Irish Naval Service a) Coral By-catch Records

1) General Description of Dataset	The following data are from the Irish Naval Service. This dataset contains 7 records to date. These records are the result of coral by-catch being found in nets of fishing vessels during routine inspections.
2) Mapped Data	Yes. Plotted in Arc GIS 3.2
3) Catalog Metadata Fields (* indicates it is mandatory)	Select from Lists
General Information	
*Title	Coral By-catch Records Irish Naval Service
*Dataset Creation Date	15 OCT 2003
*Summary	In the course of routine fishery inspections at sea, the Irish Naval Service monitor evidence of coral by-catch, retaining samples, noting fishing gear type, recording target fisheries and recording latitude and longitude.
*Metadata Author	Lt Cdr Christopher Nalty
*Metadata Author Organisation	Irish Naval Service
*Metadata Author's Position	Officer in Charge Fisheries Monitoring Centre
*Metadata Author's Function (select from list)	Custodian Owner Originator Point of Contact Principle Investigator Processor Yes Publisher
Metadata Author's Address	Naval Base, Haulbowline, Cobh, Co Cork +353 21 4864736, e-mail fmcstaff@eircom.net

Author as Point of Contact	YES
*Point of Contact Name	Lt Cdr Christopher Nalty
*Point of Contact Org	Irish Naval Service
*Point of Contact Position	Officer in Charge Fisheries Monitoring Centre
*Point of Contact Function (select from list)	Custodian Owner Originator Point of Contact Yes Principle Investigator Processor Yes Publisher
Point of Contact's Address	Irish Naval Service, Naval Base, Haulbowline, Co.Cork Tel. +353 21 4864736, e-mail fmcstaff@eircom.net
History	
Dataset history	Collection of Data commenced in Jan 2002
Dataset Identification	
Keywords (Enter any number)	Irish Naval Service Coral Bycatch
Maintenance	How often is the dataset updated? On receipt on new reports (As required)
Restrictions	Are there any limits that affect the fitness of use of the data? Yes As the data is collected as a by-catch from trawling activity the exact location where the by catch may have been trawled cannot be easily ascertained as the trawl may run over a number of miles before the net is recovered.

	Are there any legal prerequisites for using the data (e.g. licences) Data are confidential
	Are there any handling restrictions imposed on the data for security reasons? Yes
Spatial Information	
*Coordinate System - list	Latitude and Longitude in degrees minutes and decimal seconds - WGS 84
Confidence in pinpointing coral location again	Pinpoint exact location of coral origin difficult as coral was gathered during trawls of unknown length.
Distribution	
Is the dataset available to 3 rd parties in published form	No
If yes, when was it published	N/A
*Distributor Name	Lt Cdr Christopher Nalty
*Distributor Organisation	Irish Naval Service
*Distributor Position	Officer in Charge Fisheries Monitoring Centre
Distributor Address	Irish Naval Service, Naval Base, Haulbowline, Co.Cork Tel. +353 21 4864736, e-mail fmcstaff@eircom.net
Published in Digital Form?	Yes
*Name of format	Microsoft Word
*Version of data format or software used	Word 98
Medium available on (data format CD etc.)	Email (fmcstaff@eircom.net)/disc
*Where is the dataset located e.g. http:// (& format)	N/A
Ordering Instructions	Contact Lt Cdr Christopher Nalty

Fees and terms for purchasing the dataset	No Fees or purchasing necessary
<p>Status of Data</p> <p>Is the dataset complete (If no give details)</p> <p>Additional work to be carried out on the data (details of work, possible outcome and timetable)</p> <p>Will additional/similar work be carried out in the future</p>	<p>As the dataset is currently being developed it will be some time before comprehensive data are available.</p> <p>More focussed fishery inspections on vessels operating in areas where Coral is believed to exist. The inclusion of approximate depth at which the by catch was recovered would also be important.</p> <p>Yes</p>

1) Irish Naval Service b) Fisheries Activity Data

1) General Description of Dataset	The following data are from the Irish Naval Service. This dataset contains 58,167 records to date. These records are the result of fishing vessel sightings (in process of fishing, not in transit) from Naval Vessels, AirCorps and voluntary position information given in Irish waters. It does not include VMS data.
2) Mapped Data	Yes. Plotted in Arc GIS 3.2 (All fishing activity and Irish activity)
3) Catalog Metadata Fields	
General Information	
*Title	Fishing activity records Irish Naval Service
*Dataset Creation Date	30 th March 2003
*Summary	Navy Fisheries activity data
*Metadata Author	Lt Cdr Christopher Nalty
*Metadata Author Organisation	Irish Naval Service
*Metadata Author's Position	Officer in Charge Fisheries Monitoring Centre
*Metadata Author's Function (select from list)	Custodian Yes Owner Originator Point of Contact Yes Principle Investigator Processor Yes Publisher
Metadata Author's Address	Naval Base, Haulbowline, Cobh, Co Cork Tel +353 21 4864736 e-mail fmcstaff@eircom.net
Author as Point of Contact	YES
*Point of Contact Name	Lt Cdr Christopher Nalty
*Point of Contact Org	Irish Naval Service

*Point of Contact Position	Fisheries Management Centre
*Point of Contact Function	Custodian Yes Owner Originator Point of Contact Yes Principle Investigator Processor Yes Publisher
Point of Contact's Address	Irish Naval Service, Naval Base, Haulbowline, Co.Cork Tel. +353 21 4864736 e-mail fmcstaff@eircom.net
History	
Dataset history	Collection of Data from 1/1/1994- 19/12/2003
Dataset Identification	
Keywords (Enter any number)	Irish Naval Service Fishing Activity
Maintenance	How often is the dataset updated? On receipt on new reports (As required)
Restrictions	Are there any limits that affect the fitness of use of the data? Possibly. As some the Data are supplied on a voluntary basis Are there any legal prerequisites for using the data (e.g. licences) Yes. Data is confidential Are there any handling restrictions imposed on the data for security reasons? Yes, data is confidential and is not to be transferred without permission.
Spatial Information	
*Coordinate System - list	Latitude and Longitude in degrees minutes and decimal seconds - WGS 84
Confidence in pinpointing exact location again	good.

Distribution	
Is the dataset available to 3 rd parties in published form	No
If yes, when was it published	N/A
*Distributor Name	Lt Cdr Christopher Nalty
*Distributor Organisation	Irish Naval Service
*Distributor Position	Officer in Charge Fisheries Monitoring Centre
Distributor Address	Irish Naval Service, Naval Base, Haulbowline, Co.Cork. Tel. +353 21 4864736 e-mail fmcstaff@eircom.net
Published in Digital Form?	Yes
*Name of format	Microsoft Access
*Version of data format or software used	
Medium available on (data format CD etc.)	Email (fmcstaff@eircom.net)/disc
*Where is the dataset located e.g. http:// (& format)	N/A
Ordering Instructions	Contact Lt Cdr Christopher Nalty
Fees and terms for purchasing the dataset	No Fees or purchasing necessary
Status of Data	
Is the dataset complete (If no give details)	As the dataset is currently being developed it will be some time before comprehensive data are available.
Additional work to be carried out on the data (details of work, possible outcome and timetable)	None
Will additional/similar work be carried out in the future	Yes

2) Petroleum Affairs Division a) Carbonate Mounds Catalogue

1) General Description of Dataset	A catalogue of carbonate mud mounds from the Irish offshore is presented, recognised at seafloor level or buried at shallow depth, based on all oil industry seismic reflection data acquired from 1965 to 2000. It updates a previous publication based on 1965-1990 seismic data for the main Porcupine Basin (Hovland et al., 1994) and includes new areas of mounds in the South Porcupine, SE Rockall Trough and NW Rockall Trough. Mounds are listed by area, year of seismic survey, seismic line identification, shotpoint number at centre of mound and corresponding lat/long co-ordinates of that shotpoint.
2) Mapped Data	Yes. Plotted (buried and surface) in Arc GIS 3.2
3) Catalog Metadata Fields	
General Information	
*Title	Catalogue of Carbonate Mounds
*Dataset Creation Date	2002
*Summary	Catalogue of Carbonate Mounds in Irish waters based on seismic data.
*Metadata Author	Peter Croker
*Metadata Author Organisation	Petroleum Affairs Division, Dept. Communication Marine and Natural Resources
*Metadata Author's Position	Staff Member of PAD
*Metadata Author's Function (select from list)	Custodian Yes Owner Originator Yes Point of Contact Principle Investigator Yes Processor Yes Publisher Yes
Metadata Author's Address	Petroleum Affairs Division, Beggars Bush,

	Haddington Road, Dublin 4 Tel. +353-1-678 2000 e-mail: peter.croker@dcmnr.gov.ie
Author as Point of Contact	Yes
*Point of Contact Name	Peter Croker As Above
*Point of Contact Org	
*Point of Contact Position	
*Point of Contact Function (select from list)	Custodian Yes Owner Originator Point of Contact Yes Principle Investigator Yes Processor Publisher Yes
Point of Contact's Address	As Above
History	
Dataset history	First created in 1998 and updated in 2000
Dataset Identification	
Keywords (Enter any number)	Buried and surface carbonate mounds seismic lines
Maintenance	How often is the dataset updated? Last updated 2000
Restrictions	Are there any limits that affect the fitness of use of the data? No Are there any legal prerequisites for using the data (e.g. licences) No. Data has been published. Are there any handling restrictions imposed on the data for security reasons? No

Spatial Information	
*Coordinate System - list	Degrees and minutes and decimal seconds
Confidence in pinpointing exact location again	Good
Distribution	
Is the dataset available to 3 rd parties in published form	Yes
If yes, when was it published	2002
*Distributor Name	Peter Croker
*Distributor Organisation	As Above
*Distributor Position	As Above
Distributor Address	As Above
Published in Digital Form?	Yes
*Name of format	Excel file
*Version of data format or software used	Excel 97/98
Medium available on (data format CD etc.)	e-mail or CD
*Where is the dataset located e.g. http:// (& format)	
Ordering Instructions	Contact Peter Croker
Fees and terms for purchasing the dataset	None
Status of Data	
Is the dataset complete (If no give details)	Yes.
Additional work to be carried out on the data (details of work, possible outcome and timetable)	None
Will additional/similar work be carried out in the future	Additional mounds will be added

2) Petroleum Affairs Division b) Seabed Sample Data Catalogue

1) General Description of Dataset	A catalogue of seabed sampling records carried out in Irish waters by petroleum companies, the petroleum infrastructure programme (PIP) and research cruises such as Logachev training cruises. A range of methods were used such as gravity core, vibra core, dredge and box core. Sample dates range from 1976-1999. 1168 Records are in this data set. Not all samples are described.
2) Mapped Data	Yes. Plotted in Arc GIS 3.2 (details of samples are given)
3) Catalog Metadata Fields	
General Information	
*Title	Seabed Sampling Data Catalogue
*Dataset Creation Date	November 2000
*Summary	Seabed Sampling Data Catalogue
*Metadata Author	Peter Croker
*Metadata Author Organisation	Petroleum Affairs Division, Dept. Communication Marine and Natural Resources
*Metadata Author's Position	Staff member of PAD
*Metadata Author's Function (select from list)	Custodian yes Owner Originator Point of Contact Principle Investigator Processor Publisher
Metadata Author's Address	Petroleum Affairs Division, Beggars Bush, Haddington Road, Dublin 4 Tel. +353-1-678 2000 e-mail: peter.croker@dcmnr.gov.ie

Author as Point of Contact	Yes
*Point of Contact Name	Peter Croker As Above
*Point of Contact Org	
*Point of Contact Position	
*Point of Contact Function	Custodian yes Owner Originator Point of Contact Principle Investigator Processor Publisher
Point of Contact's Address	As above
History	
Dataset history	This version is the first version and was created in November 2000
Dataset Identification	
Keywords (Enter any number)	Seabed sampling gravity core box core
Maintenance	How often is the dataset updated? Last updated 2000
Restrictions	Are there any limits that affect the fitness of use of the data? No Are there any legal prerequisites for using the data (e.g. licences) Data is confidential Are there any handling restrictions imposed on the data for security reasons? Yes, data not to be disclosed to 3 rd parties and is confidential.
Spatial Information	
*Coordinate System - list	Degrees and decimal minutes and decimal seconds
Confidence in pinpointing exact	Very Good

location again	
Distribution	
Is the dataset available to 3 rd parties in published form	No
If yes, when was it published	
*Distributor Name	Peter Croker
*Distributor Organisation	As Above
*Distributor Position	
Distributor Address	
Published in Digital Form?	Yes
*Name of format	Excel file/Access Database
*Version of data format or software used	Excel 97/98/ Microsoft Access
Medium available on (data format CD etc.)	e-mail or CD
*Where is the dataset located e.g. http:// (& format)	
Ordering Instructions	Contact Peter Croker
Fees and terms for purchasing the dataset	None
Status of Data	
Is the dataset complete (If no give details)	No. Not all sediments samples are described, 241 records without descriptions. Many records also poorly described.
Additional work to be carried out on the data (details of work, possible outcome and timetable)	All records should be described fully to clearly identify substrate and possible coral locations. In addition sample details of all plotted samples should also be examined as there appears to be a significant underestimation of coral sightings.
Will additional/similar work be carried out in the future	Yes, database will be updated

3) Bord Iascaigh Mhara a) Survey Data (coral sightings & fasts)

1) General Description of Dataset	Deepwater coral occurrences recorded by sea going personnel of an Bord Iascaigh Mhara, during the deepwater program. The following is a list of coral sightings and net "fasts" taken on BIM surveys prior to 2001, in 2001 and in 2002.
2) Mapped Data	Yes. Plotted in Arc GIS 3.2
3) Catalog Metadata Fields	
General Information	
*Title	BIM Deepwater coral records
*Dataset Creation Date	01/01/2003
*Summary	17 records of deepwater coral occurrence with descriptions and 99 records of deepwater fasts
*Metadata Author	Dr Conor P. Nolan
*Metadata Author Organisation	An Bord Iascaigh Mhara (BIM)
*Metadata Author's Position	Project co-ordinator
*Metadata Author's Function (select from list)	Custodian Yes Owner Yes Originator Yes Point of Contact Yes Principle Investigator Yes Processor Yes Publisher Yes
Metadata Author's Address	Marine Technical Section, Fisheries Development Division, An Bord Iascaigh Mhara, Crofton Road, Dun Laoghaire, Co. Dublin. Tel. +353-1-2841544 e-mail: nolanc@bim.ie
Author as Point of Contact	Yes

*Point of Contact Name	Dr Conor P. Nolan
*Point of Contact Org	An Bord Iascaigh Mhara
*Point of Contact Position	Project co-ordinator
*Point of Contact Function	Custodian Yes Owner Yes Originator Yes Point of Contact Yes Principle Investigator Yes Processor Yes Publisher Yes
Point of Contact's Address	As above
History	
Dataset history	Updated in July 2003
Dataset Identification	
Keywords (Enter any number)	BIM Coral Bycatch
Maintenance	Ad hoc. As data is received.
Restrictions	<p>Are there any limits that affect the fitness of use of the data? Yes, data points reflect where coral was found having been recovered from a trawl of unknown length.</p> <p>Are there any legal prerequisites for using the data (e.g. licences) No, current, legal prerequisites for the use of the data (e.g. licences) are in place.</p> <p>Are there any handling restrictions imposed on the data for security reasons? No vessel details to be associated with the data in any form or format.</p> <p>Not to be distributed without permission of An Bord Iascaigh Mhara</p>
Spatial Information	

*Coordinate System - list	Degrees minutes and seconds
Confidence in pinpointing location	High (but finding location of coral area is poor)
Distribution	
Is the dataset available to 3 rd parties in published form	No
*Distributor Name	Not applicable
*Distributor Organisation	Not applicable
*Distributor Position	Not applicable
Distributor Address	Not applicable
Published in Digital Form?	No
*Name of format	Not applicable
*Version of data format or software used	Word 98
Medium available on (data format)	Word file
*Where is the dataset located e.g. http:// (& format)	Fisheries Development Division, An Bord Iascaigh Mhara, Crofton Road, Dun Laoghaire
Ordering Instructions	Contact Dr Conor P. Nolan (as above)
Fees and terms for purchasing the dataset	Not applicable
Status of Data	
Is the dataset complete (If no give details)	Yes
Additional work to be carried out on the data (details of work, possible outcome and timetable)	Spatial analysis
Will additional/similar work be carried out in the future	As required.

4) Geological Survey of Ireland a) GSI Multibeam Map

1) General Description of Dataset	Multibeam bathymetry map of Irish offshore area from Irish Seabed Survey
2) Mapped Data	Yes. Plotted in Arc GIS 3.2
3) Catalog Metadata Fields	Select from Lists
General Information	
*Title	Multibeam bathymetry map from Irish Seabed Survey
*Dataset Creation Date	Image creation date 07/07/03
*Summary	Multibeam bathymetry map from Irish Seabed Survey
*Metadata Author	Irish Seabed Survey.
*Metadata Author Organisation	Geological Survey of Ireland
*Metadata Author's Position	
*Metadata Author's Function (select from list)	Custodian Yes Owner Yes Originator Yes Point of Contact Yes Principle Investigator Yes Processor Yes Publisher Yes
Metadata Author's Address	Beggars Bush, Dublin 4
Author as Point of Contact	Yes
*Point of Contact Name	Eibhlín Doyle
*Point of Contact Org	Geological Survey of Ireland
*Point of Contact Position	Senior Geologist
*Point of Contact Function (select from list)	Custodian Owner

	Originator Point of Contact Yes Principle Investigator Yes Processor Publisher
Point of Contact's Address	Beggars Bush, Dublin 4
History	
Dataset history	Map created in July 2003
Dataset Identification	
Keywords (Enter any number)	Multibeam map Seabed Survey medium resolution
Maintenance	How often is the dataset updated. As soon as additional data is gathered.
Restrictions	Are there any limits that affect the fitness of use of the data? No. Two areas of interest not surveyed including Rockall Bank. Are there any legal prerequisites for using the data (e.g. licences) Data is confidential Are there any handling restrictions imposed on the data for security reasons? Not to be disclosed to 3 rd Parties.
Spatial Information	
Coordinate System - list	
Confidence in pinpointing exact location again	High
Distribution	
Is the dataset available to 3 rd parties in published form	Yes.
If yes, when was it published	It has been distributed to the fishing industry though BIM
*Distributor Name	Geological Survey of Ireland

*Distributor Organisation	
*Distributor Position	
Distributor Address	As Above
Published in Digital Form?	Yes
*Name of format	78.1 mb Tiff image 102dpi (Low Res) 164mb Tiff image medium res
*Version of data format or software used	Tiff Image
Medium available on (data format CD etc.)	CD
*Where is the dataset located e.g. http:// (& format)	
Ordering Instructions	Contact Eibhlin Doyle
Fees and terms for purchasing the dataset	None
Status of Data	
Is the dataset complete (If no give details)	No, incomplete coverage of area
Additional work to be carried out on the data (details of work, possible outcome and timetable)	Image is incomplete. Areas to be completed include Rockall Bank and small area on western seabed area limit
Will additional/similar work be carried out in the future	Yes. A higher resolution image will be developed, which will be important.

4) Geological Survey of Ireland b) Groundtruthing Data from Seabed Survey

1) General Description of Dataset	Sites , and photographic images where coral (<i>Lophelia sp.</i>) were found during groundtruthing of Seabed Survey (Gardline Survey 5933). 10 records in list of live coral and coral debris.
2) Mapped Data	Yes. Plotted in Arc GIS 3.2
3) Catalog Metadata Fields	Select from Lists
General Information	
*Title	<i>Lophelia</i> sites found on GSI Gardline Groundtruthing Survey
*Dataset Creation Date	2002
*Summary	<i>Lophelia</i> sites found on GSI Gardline Groundtruthing Survey
*Metadata Author	Irish Seabed Survey
*Metadata Author Organisation	Geological Survey of Ireland
*Metadata Author's Position	N/A
*Metadata Author's Function	Custodian Yes Owner Yes Originator Yes Point of Contact Yes Principle Investigator Yes Processor Yes Publisher Yes
Metadata Author's Address	Beggars Bush, Dublin 4. eibhlin.doyle@gsi.ie Tel. 01-6782000
Author as Point of Contact	Yes
*Point of Contact Name	Eibhlín Doyle
*Point of Contact Org	Geological Survey of Ireland
*Point of Contact Position	Senior Geologist
*Point of Contact Function	Custodian Yes

	Owner Yes Originator Yes Point of Contact Yes Principle Investigator Yes Processor
Point of Contact's Address	Beggars Bush, Dublin 4
History	
Dataset history	Survey took place in 2002
Dataset Identification	
Keywords (Enter any number)	Groundtruthing Seabed Survey <i>Lophelia</i> Images
Maintenance	How often is the dataset updated? Additional groundtruthing will be carried out during the survey
Restrictions	Are there any limits that affect the fitness of use of the data? No Are there any legal prerequisites for using the data (e.g. licences) Yes, data is confidential. Are there any handling restrictions imposed on the data for security reasons? Data to be treated as confidential
Spatial Information	
*Coordinate System - list	Degrees, Decimal minutes and seconds
Confidence in pinpointing exact location again	Very Good
Distribution	
Is the dataset available to 3 rd parties in published form	Yes.
If yes, when was it published	Cruise report of the Gardline Surveys
*Distributor Name	Seabed Survey
*Distributor Organisation	Geological Survey of Ireland

*Distributor Position	N/A
Distributor Address	As Above
Published in Digital Form?	No
*Name of format	Printed Cruise Report
*Version of data format or software	N/A images are in .jpg format
Medium available on (data format CD etc.)	Photocopy
*Where is the dataset located e.g. http:// (& format)	Geological Survey of Ireland
Ordering Instructions	Contact Eibhlin Doyle
Fees and terms for purchasing the dataset	None
Status of Data	
Is the dataset complete (If no give details)	Yes
Additional work to be carried out on the data (details of work, possible outcome and timetable)	Additional relevant groundtruthing may be carried out by Seabed Survey
Will additional/similar work be carried out in the future	Yes as groundtruthing is carried out on the Seabed Survey

4) Geological Survey of Ireland c) Mound catalogue from Multibeam Map and other sources (Vikram Unnithan)

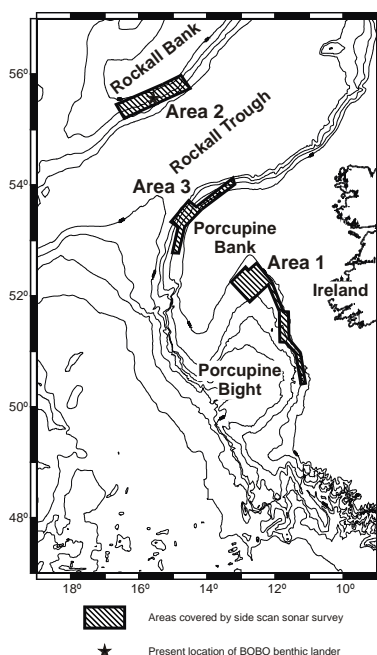
1) General Description of Dataset	Position of mounds selected from Multibeam bathymetry map (and other sources) from Irish Seabed Survey. Other sources include BGS coral sightings and PAD surface carbonate mounds (both of which are in the Metadata Report)
2) Mapped Data	Yes. Plotted in Arc GIS 3.2
3) Catalog Metadata Fields	Select from Lists
General Information	
*Title	Mound locations from Multibeam bathymetry map from Irish Seabed Survey.
*Dataset Creation Date	2002
*Summary	Mounds Multibeam bathymetry map from Irish Seabed Survey. This is an incomplete dataset. Several mound provinces that are visible on multibeam image are missing. Dataset incomplete but contains 1000 mound locations.
*Metadata Author	Vikram Unnithan
*Metadata Author Organisation	Geological Survey of Ireland
*Metadata Author's Position	Resigned and now Working in UK
*Metadata Author's Function (select from list *)	Custodian Yes Owner Yes Originator Yes Point of Contact No Principle Investigator Yes Processor Yes Publisher
Metadata Author's Address	N/A he is no longer working in this field
Author as Point of Contact	No
*Point of Contact Name	Eibhlín Doyle

*Point of Contact Org	Geological Survey of Ireland Tel. +353-1-6782000 Email: eibhlin.doyle@GSI.ie
*Point of Contact Position	Senior Geologist
*Point of Contact Function	Custodian Yes Owner Originator Point of Contact Yes Principle Investigator No Processor Publisher
Point of Contact's Address	Beggars Bush, Dublin 4
History	
Dataset history	Vikram Unnithan began cataloguing mounds from GSI Seabed Survey image and other sources (see above). Dataset incomplete.
Dataset Identification	
Keywords (Enter any number)	Multibeam map Seabed Survey mounds
Maintenance	How often is the dataset updated. Dataset is incomplete and unfinished. There are no further plans to update catalogue
Restrictions	Are there any limits that affect the fitness of use of the data? No Are there any legal prerequisites for using the data (e.g. licences) Data is confidential. Are there any handling restrictions imposed on the data for security reasons? Yes. Data is confidential.
Spatial Information	
YesCoordinate System - list	Degrees Decimal minutes and seconds

Confidence in pinpointing exact location again	Good
Distribution	
Is the dataset available to 3 rd parties in published form	No
If yes, when was it published	
*Distributor Name	
*Distributor Organisation	
*Distributor Position	
Distributor Address	
Published in Digital Form?	
*Name of format	Excel file
*Version of data format or software used	Excel 97/98
Medium available on (data format CD etc.)	CD
*Where is the dataset located e.g. http:// (& format)	
Ordering Instructions	Contact Eibhlin Doyle
Fees and terms for purchasing the dataset	None
Status of Data	
Is the dataset complete (If no give details)	No, incomplete coverage of Irish continental areas
Additional work to be carried out on the data (details of work, possible outcome and timetable)	Data only gives lats and longs. Additional work could be carried out to determine height, size, composition etc. Additional mounds should be mapped. However there appears to be no definition of "mound". This would involve examining high resolution multibeam Seabed Survey maps
Will additional/similar work be carried out in the future	None Planned

6) Dr. Andy Wheeler a) TOBI Data

1) General Description of Dataset	Includes details of coverage surveyed using the TOBI (Tow Ocean Bottom Instrument) that includes 30kHz side-scan sonar, sub-bottom profiler and magnetics. Not actual data which shows a regional context to carbonate mounds and includes sediment wave fields, iceberg ploughmarks, fault scarps, submarine slides, erosion hollows, pockmarks and submarine canyons
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2) Mapped Data	
3) Catalog Metadata Fields	Select from Lists
General Information	
*Title	TOBI Carbonate Mounds Survey
*Dataset Creation Date	August 2002
*Summary	30kHz Side-scan sonar coverage of carbonate mound provinces
*Metadata Author	Dr. Andy Wheeler
*Metadata Author Organisation	Dept. of Geology, UCC
*Metadata Author's Position	College Lecturer
*Metadata Author's Function	Custodian Yes

	Owner Yes Originator Yes Point of Contact Yes
	Principle Investigator Yes Processor Yes Publisher Yes
Metadata Author's Address	Dept. of Geology, University College Cork, Donovan's Rd., Cork Tel. 021-4903951 e-mail: a.wheeler@ucc.ie
Author as Point of Contact	Yes
*Point of Contact Name	Dr. Andy Wheeler
*Point of Contact Org	University College Cork
*Point of Contact Position	College Lecturer
*Point of Contact Function (select from list)	Custodian Yes Owner Yes Originator Yes Point of Contact Yes Principle Investigator Yes Processor Yes Publisher Yes
Point of Contact's Address	Dept. of Geology, University College Cork, Donovan's Rd., Cork

History	
Dataset history	Collected 2002, processed 2003
Dataset Identification	
Keywords (Enter any number)	Side scan sonar, seabed sediments
Maintenance	How often is the dataset updated? N/a
Restrictions	<p>Are there any limits that affect the fitness of use of the data?</p> <p>Requires geological interpretation</p> <p>Are there any legal prerequisites for using the data (e.g. licences)</p> <p>Yes, subject to authorisation for use by PSG, PIP</p> <p>Are there any handling restrictions imposed on the data for security reasons?</p> <p>Yes, subject to authorisation for use by PSG, PIP</p>
Spatial Information	
*Coordinate System - list	WGS84
Confidence in pinpointing exact location again	6m pixel accuracy
Distribution	
Is the dataset available to 3 rd parties in published form	No but some data has been presented on posters, PhD theses and papers
If yes, when was it published	2003
*Distributor Name	See Andy Wheeler for more details
*Distributor Organisation	University College Cork
*Distributor Position	College Lecturer
Distributor Address	<p>Dept. of Geology,</p> <p>University College Cork,</p> <p>Donovan's Rd.,</p> <p>Cork</p>

Published in Digital Form?	N
*Name of format	e.g. Database, shapefile - ERDAS IMAGINE file format
*Version of data format or software used	e.g Access 97, ArcView3.2
Medium available on (data format CD etc.)	CD
*Where is the dataset located e.g. http:// (& format)	Contact Andy Wheeler
Ordering Instructions	Contact Andy Wheeler
Fees and terms for purchasing the dataset	
Status of Data	
Is the dataset complete (If no give details)	Yes
Additional work to be carried out on the data (details of work, possible outcome and timetable)	Publications
Will additional/similar work be carried out in the future	No

5) Dr. Andy Wheeler b) Discovery Cruise Data

1) General Description of Dataset	High resolution side-scan sonar and SHRIMP video coverage of the Belgica and north-west Porcupine Bank mounds
2) Mapped Data	Yes. See Andy Wheeler
3) Catalog Metadata Fields	Select from Lists
General Information	
*Title	D248 SSS
*Dataset Creation Date	August 2000
*Summary	100kHz and 410kHz Side-scan sonar
*Metadata Author	Dr. Andy Wheeler
*Metadata Author Organisation	Dept. of Geology, UCC
*Metadata Author's Position	College Lecturer
*Metadata Author's Function (select from list)	Custodian Yes Owner Yes Originator Yes Point of Contact Yes Principle Investigator Yes Processor Yes Publisher Yes
Metadata Author's Address	Dept. of Geology, University College Cork, Donovan's Rd., Cork
Author as Point of Contact	Yes
*Point of Contact Name	Dr. Andy Wheeler
*Point of Contact Org	University College Cork
*Point of Contact Position	College Lecturer
*Point of Contact Function (select from list)	Custodian Yes Owner Yes

	Originator Yes Point of Contact Yes Principle Investigator Yes Processor Yes Publisher Yes
Point of Contact's Address	Dept. of Geology, University College Cork, Donovan's Rd., Cork
History	
Dataset history	Collected 2000, processing 2000-3
Dataset Identification	
Keywords (Enter any number)	100-410kHz SSS, video
Maintenance	How often is the dataset updated? n/a
Restrictions	Are there any limits that affect the fitness of use of the data? no
	Are there any legal prerequisites for using the data (e.g. licences) No
	Are there any handling restrictions imposed on the data for security reasons? No
Spatial Information	
*Coordinate System - list	WGS84
Confidence in pinpointing exact location again	50m accuracy
Distribution	
Is the dataset available to 3 rd parties in published form	No but some data has been presented on posters, PhD theses and papers
If yes, when was it published	2000 onwards
*Distributor Name	See Andy Wheeler for more details
*Distributor Organisation	University College Cork
*Distributor Position	College Lecturer

Distributor Address	Dept. of Geology, University College Cork, Donovan's Rd., Cork
Published in Digital Form?	No
*Name of format	e.g. Database, shapefile - Erdas Imagine
*Version of data format or software used	e.g Access 97, ArcView3.2
Medium available on (data format)	CD
*Where is the dataset located e.g. http:// (& format)	Contact Andy Wheeler
Ordering Instructions	Contact Andy Wheeler
Fees and terms for purchasing the dataset	Complex
Status of Data	
Is the dataset complete (If no give details)	Yes
Additional work to be carried out on the data (details of work, possible outcome and timetable)	Publications and studies
Will additional/similar work be carried out in the future	Not known

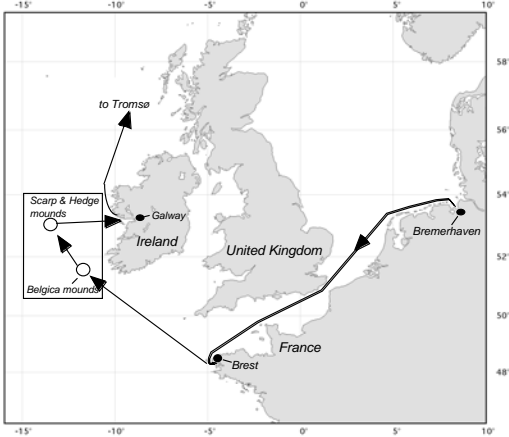
6) Dr. Anthony Grehan, Pelagia, Box Core Data

1) General Description of Dataset	Box core data from Pelagia Deep-Water Coral Box Core Programme Report. Data is from two (NIOZ) deep water cruises which took place in the Rockall Trough and Porcupine Seabight in 1999 and 2000.
2) Mapped Data	Yes in Arc View 3.12
3) Catalog Metadata Fields	Select from Lists
General Information	
*Title	Pelagia (NIOZ) 1999 and 2000 deep water boxcore
*Dataset Creation Date	2003
*Summary	Details of <i>Lophelia</i> box core locations from Pelagia cruises 1999-2000
*Metadata Author	Dr. Anthony Grehan
*Metadata Author Organisation	ACES (Atlantic Coral Ecosystem Study)
*Metadata Author's Position	Participant of ACES
*Metadata Author's Function (select from list)	Custodian Owner Originator Point of Contact Yes Principle Investigator Yes Processor Publisher Yes
Metadata Author's Address	Department of Earth and Ocean Science, National University of Ireland, Galway. Tel. +353 91 512004 Email. anthony.grehan@nuigalway.ie
Author as Point of Contact	Yes
*Point of Contact Name	As Above

*Point of Contact Org	
*Point of Contact Position	
*Point of Contact Function	Custodian Owner Originator
	Point of Contact Yes Principle Investigator Yes Processor Publisher Yes
Point of Contact's Address	Department of Earth and Ocean Science, National University of Ireland, Galway. Tel. +353 91 512004 Email. anthony.grehan@nuigalway.ie
History	
Dataset history	Created in 2003
Dataset Identification	
Keywords (Enter any number)	Pelagia box-core coral
Maintenance	How often is the dataset updated? N/a
Restrictions	Are there any limits that affect the fitness of use of the data? No Are there any legal prerequisites for using the data (e.g. licences) Yes, Confidential Data Are there any handling restrictions imposed on the data for security reasons? Yes, Confidential Data
Spatial Information	
*Coordinate System - list	Degrees minutes and decimal seconds
Confidence in pinpointing exact location again	Good
Distribution	

Is the dataset available to 3 rd parties in published form	Not yet but will be published shortly
If yes, when was it published	
*Distributor Name	As Above
*Distributor Organisation	
*Distributor Position	
Distributor Address	
Published in Digital Form?	Yes in Draft form
*Name of format	Word
*Version of data format or software used	Word 98
Medium available on (data format CD etc.)	CD/email
*Where is the dataset located e.g. http:// (& format)	Contact Anthony Grehan
Ordering Instructions	Contact Anthony Grehan Department of Earth and Ocean Science, National University of Ireland, Galway. Tel. +353 91 512004 Email. anthony.grehan@nuigalway.ie
Fees and terms for purchasing the dataset	None
Status of Data	
Is the dataset complete (If no give details)	Yes
Additional work to be carried out on the data (details of work, possible outcome and timetable)	
Will additional/similar work be carried out in the future	Yes

7) Polarstern Cruise Data

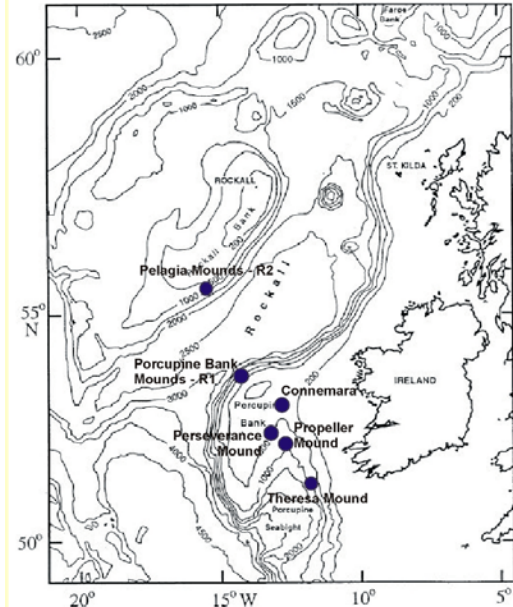
1) General Description of Dataset	ROV video coverage of a large number of carbonate mounds in Belgica Mounds area and north-western Porcupine Bank. Datasets has video stills. Also location of box-core sites, CTD deployments, fisheries echosounder profiles, High resolution MBES surveys and lander deployments
2) Mapped Data	
3) Catalog Metadata Fields	Select from Lists
General Information	
*Title	ARKXIX3a - VICTOR ROV survey
*Dataset Creation Date	July 2003
*Summary	ROV observations, CTDs, box-cores, lander, MBES
*Metadata Author	Dr. Andy Wheeler
*Metadata Author Organisation	Dept. of Geology, UCC
*Metadata Author's Position	College Lecturer
*Metadata Author's Function (select from list)	Custodian Yes Owner Originator Yes Point of Contact Yes

	Principle Investigator Yes Processor Yes Publisher Yes
Metadata Author's Address	Dept. of Geology, University College Cork, Donovan's Rd., Cork
Author as Point of Contact	Yes
*Point of Contact Name	Dr. Andy Wheeler (Also Dr Anthony Grehan)
*Point of Contact Org	University College Cork
*Point of Contact Position	College Lecturer
*Point of Contact Function (select from list)	Custodian Yes Owner Originator Yes Point of Contact Yes Principle Investigator Yes Processor Yes Publisher Yes
Point of Contact's Address	Dept. of Geology, University College Cork, Donovan's Rd., Cork See also (Dr Anthony Grehan, Department of Earth and Ocean Science, National University of Ireland, Galway.Tel. +353 91 512004 Email. anthony.grehan@nuigalway.ie)
History	
Dataset history	Collected 2003, processing 2003
Dataset Identification	
Keywords (Enter any number)	ROV, Video. Live coral, trawling impacts
Maintenance	How often is the dataset updated? n/a

Restrictions	<p>Are there any limits that affect the fitness of use of the data?no</p> <p>Are there any legal prerequisites for using the data (e.g. licences) Yes, subject to authorisation from AWI with IFREMER copyright</p> <p>Are there any handling restrictions imposed on the data for security reasons? Yes, subject to authorisation from AWI with IFREMER copyright</p>
Spatial Information	
*Coordinate System - list	WGS84
Confidence in pinpointing exact location again	To the meter
Distribution	
Is the dataset available to 3 rd parties in published form	No, but some data has been presented on posters, PhD theses and papers
If yes, when was it published	2003
*Distributor Name	Contact Andy Wheeler for more details
*Distributor Organisation	University College Cork
*Distributor Position	College Lecturer
Distributor Address	Dept. of Geology, University College Cork, Donovan's Rd., Cork
Published in Digital Form?	No
*Name of format	e.g. Database, shapefile - jpegs and mpegs
*Version of data format or software used	e.g Access 97, ArcView3.2
Medium available on (data format CD etc.)	DVD
*Where is the dataset located e.g. http:// (& format)	See Andy Wheeler

Ordering Instructions	See Andy Wheeler
Fees and terms for purchasing the dataset	Complex
Status of Data	
Is the dataset complete (If no give details)	Yes
Additional work to be carried out on the data (details of work, possible outcome and timetable)	Publications and studies
Will additional/similar work be carried out in the future	Not known

8) Caracole Cruise Data

1) General Description of Dataset	Detailed ROV video coverage of a limited number of carbonate mounds in Belgica Mounds area, north-western Porcupine Bank and south-eastern Rockall Bank. Datasets has video stills. Also location of box-core sites and resolution MBES surveys
2) Mapped Data (enclosed area of investigation)	
3) Catalog Metadata Fields	Select from Lists
General Information	
*Title	CARACOLE - VICTOR ROV survey
*Dataset Creation Date	August 2001
*Summary	ROV observations, box-cores, MBES
*Metadata Author	Dr. Andy Wheeler
*Metadata Author Organisation	Dept. of Geology, UCC
*Metadata Author's Position	College Lecturer
*Metadata Author's Function (select from list)	Custodian Yes Owner Originator Yes Point of Contact Yes Principle Investigator

	Processor Yes Publisher Yes
Metadata Author's Address	Dept. of Geology, University College Cork, Donovan's Rd., Cork
Author as Point of Contact	Yes
*Point of Contact Name	Dr. Andy Wheeler (See Also Dr Anthony Grehan)
*Point of Contact Org	University College Cork
*Point of Contact Position	College Lecturer
*Point of Contact Function (select from list)	Custodian Yes Owner Originator Yes Point of Contact Yes Principle Investigator Processor Yes Publisher Yes
Point of Contact's Address	Dept. of Geology, University College Cork, Donovan's Rd., Cork. (Tel. 0214903951, email: a.wheeler@ucc.ie) See also (Dr Anthony Grehan, Department of Earth and Ocean Science, National University of Ireland, Galway. Tel. +353 91 512004 email: anthony.grehan@nuigalway.ie)
History	
Dataset history	Collected 2001, processing 2001-2
Dataset Identification	
Keywords (Enter any number)	ROV, Video. Live coral, stranded nets, Caracole
Maintenance	How often is the dataset updated? n/a
Restrictions	Are there any limits that affect the fitness of use of the data? no

	<p>Are there any legal prerequisites for using the data (e.g. licences) Yes, subject to authorisation from IFREMER copyright</p> <p>Are there any handling restrictions imposed on the data for security reasons? Yes, subject to authorisation from IFREMER copyright</p>
Spatial Information	
*Coordinate System - list	WGS84
Confidence in pinpointing exact location again	To the meter
Distribution	
Is the dataset available to 3 rd parties in published form	No but some data has been presented on posters, PhD theses and papers
If yes, when was it published	2001 onwards
*Distributor Name	See Andy Wheeler/ Anthony Grehan for more details
*Distributor Organisation	University College Cork
*Distributor Position	College Lecturer
Distributor Address	Dept. of Geology, University College Cork, Donovan's Rd., Cork. See also Dr Anthony Grehan, Department of Earth and Ocean Science, National University of Ireland, Galway. Tel. +353 91 512004 Email. anthony.grehan@nuigalway.ie
Published in Digital Form?	N
*Name of format	e.g. Database, shapefile - jpegs and mpegs
*Version of data format or software used	e.g Access 97, ArcView3.2
Medium available on (data format CD etc.)	Cd
*Where is the dataset located e.g. http:// (& format)	See Andy Wheeler
Ordering Instructions	See Andy Wheeler
Fees and terms for purchasing the	Complex

dataset	
Status of Data	
Is the dataset complete (If no give details)	Yes
Additional work to be carried out on the data (details of work, possible outcome and timetable)	Publications and studies
Will additional/similar work be carried out in the future	Not known

9) David Long- British Geological Survey

1) General Description of Dataset	BGS Technical Report WB/99/24. Occurrences of <i>Lophelia pertusa</i> on the Atlantic Margin. David Long, Murray Roberts and E.J. Gillespie. Contains database of records of <i>Lophelia</i> as noted in papers and cruise reports. Grouped by method of recovery i.e. point sample (sites e.g. boxcores) or traverse sample (trawls, video, dredges). Database contains 150 traverses and 170 sites many of which are in Irish waters. Includes detailed reference section. Most of these sites appeared in "The cold water coral <i>Lophelia pertusa</i> and enigmatic seabed mounds along the North East Atlantic Margin: are they related? Roberts, J.M., Long, D., Wilson, J.B., Mortensen, P.B. and Gage, J.D. Marine Pollution Bulletin 46 (2003) 7-20.
2) Mapped Data	Yes in GIS, Arc 3.2
3) Catalog Metadata Fields	Select from Lists
General Information	
*Title	BGS Report WB/99/24
*Dataset Creation Date	1997
*Summary	<i>Lophelia</i> occurrences around British Isles
*Metadata Author	Dave Long (also Murray Roberts)
*Metadata Author Organisation	British Geological Survey (MR is at SAMS)
*Metadata Author's Position	Marine Geologist
*Metadata Author's Function (select from list)	Custodian Owner Originator yes Point of Contact Yes Principle Investigator Yes Processor Yes Publisher Yes
Metadata Author's Address	Murchison House, West Mains Road, Edinburgh

	EH9 3LA Tel: +44 (0) 131 667 1000 email: dal@bgs.co.uk
Author as Point of Contact	Y/N Yes
*Point of Contact Name	As Above
*Point of Contact Org	British Geological Survey
*Point of Contact Position	As above
*Point of Contact Function	Custodian Owner Originator Point of Contact Principle Investigator Processor Publisher
Point of Contact's Address	As Above
History	
Dataset history	Dataset first gathered in 1997 and published as BGS report in 1999
Dataset Identification	
Keywords (Enter any number)	BGS Lophelia occurrences
Maintenance	How often is the dataset updated? Dataset complete as of 1997
Restrictions	Are there any limits that affect the fitness of use of the data? No Are there any legal prerequisites for using the data (e.g. licences) No Are there any handling restrictions imposed on the data for security reasons? Permission must be sought from BGS
Spatial Information	
*Coordinate System - list	Data was probably collected under various

	systems but use ED50 internally
Confidence in pinpointing exact location again	Good to poor
Distribution	
Is the dataset available to 3 rd parties in published form	Yes BGS commissioned report WB/99/24 Occurrences of <i>Lophelia pertusa</i> on the Atlantic margin. Long, D., Roberts, J.M. & Gillespie, E.J. 1999.
If yes, when was it published	1999
*Distributor Name	As above
*Distributor Organisation	As Above
*Distributor Position	
Distributor Address	
Published in Digital Form?	Yes
*Name of format	e.g. Database, word file
*Version of data format or software used	e.g Access 97,
Medium available on (data format CD etc.)	Email (Contact David Long)
*Where is the dataset located e.g. http:// (& format)	N/A
Ordering Instructions	Contact David Long
Fees and terms for purchasing the dataset	N/A
Status of Data	
Is the dataset complete (If no give details)	Updated when new information gathered
Additional work to be carried out on the data (details of work, possible outcome and timetable)	No
Will additional/similar work be carried out in the future	Database will be updated as new records are found

10) Andre Freiwald *Lophelia* Sightings Catalogue

1) General Description of Dataset	Andre Freiwald (Coordinator of ACES) has created a database of <i>Lophelia</i> and <i>Madrepora</i> sightings gleaned from published literature since 1878. The majority of records are from 1975 on wards. The database contains 444 <i>Lophelia</i> records. All references are cited.
2) Mapped Data	<i>Lophelia</i> sightings are mapped in Arc view 3.2
3) Catalog Metadata Fields	Select from Lists
General Information	
*Title	Database of <i>Lophelia</i> sightings in North Atlantic
*Dataset Creation Date	2003
*Summary	Database of <i>Lophelia</i> sightings in North Atlantic including historical data and publications
*Metadata Author	Dr Andre Freiwald
*Metadata Author Organisation	Erlangen University and ACES
*Metadata Author's Position	Co-ordinator of ACES
*Metadata Author's Function (select from list)	Custodian Yes Owner Yes Originator Yes Point of Contact Yes Principle Investigator Processor Yes Publisher Yes
Metadata Author's Address	Institute of Paleontology, Erlangen University, Erlangen Germany. Tel: +49 (0) 9131-8526959 Freiwald@pangaea.pal.uni-erlangen.de
Author as Point of Contact	Yes
*Point of Contact Name	As Above
*Point of Contact Org	Institute of Paleontology, Erlangen University

*Point of Contact Position	As Above
*Point of Contact Function	Custodian Yes Owner Yes Originator Yes Point of Contact Yes Principle Investigator Yes Processor Publisher Yes
Point of Contact's Address	
History	
Dataset history	
Dataset Identification	
Keywords (Enter any number)	Lophelia Database
Maintenance	How often is the dataset updated? As information is gathered
Restrictions	Are there any limits that affect the fitness of use of the data? No Are there any legal prerequisites for using the data (e.g. licences) No Are there any handling restrictions imposed on the data for security reasons? No
Spatial Information	
*Coordinate System - list	
Confidence in pinpointing exact location again	Poor to very good
Distribution	
Is the dataset available to 3 rd parties in published form	Not yet but will be published shortly
If yes, when was it published	
*Distributor Name	As Above

*Distributor Organisation	
*Distributor Position	
Distributor Address	
Published in Digital Form?	Yes in Draft form
*Name of format	Excel File
*Version of data format or software used	Excel 97/98
Medium available on (data format CD etc.)	CD/email
*Where is the dataset located e.g. http:// (& format)	Contact Andre Freiweld
Ordering Instructions	Contact Andre Freiweld
Fees and terms for purchasing the dataset	None
Status of Data	
Is the dataset complete (If no give details)	Not fully. More records may be included prior to publication
Additional work to be carried out on the data (details of work, possible outcome and timetable)	More records may be included prior to publication
Will additional/similar work be carried out in the future	New records will be incorporated as they are gathered

11) Valerie Allain Phd

1) General Description of Dataset	Data pertaining to paper published by Jason Hall Spencer, Valerie Allain and Jan Helge Fossa, 2001. Trawling damage to Northeast Atlantic ancient coral reefs. Proc. R. Soc. Lond. B (based on data collected by Valerie Allain during her Phd on the fishing activities of two French trawlers.). In relation to the west of Ireland of the 229 trawls observed, only 5 were notable for large amounts of coral. Unfortunately according to V Allain (per coms) the positions of the hauls were not noted. Both the Phd and scientific paper have been gathered.
2) Mapped Data	One point mapped from a haul west of Ireland where <i>Lophelia</i> was found
3) Catalog Metadata Fields	Select from Lists
General Information	
*Title	Valerie Allain French Trawler Data used in paper by Jason Hall-Spencer
*Dataset Creation Date	23 June 1996
*Summary	
*Metadata Author	Valerie Allain
*Metadata Author Organisation	Currently at Secretariat of the Pacific Community
*Metadata Author's Position	Fisheries Research Scientist
*Metadata Author's Function (select from list)	Custodian Yes Owner Yes Originator Yes Point of Contact Yes Principle Investigator Yes Processor Yes Publisher Yes
Metadata Author's Address	Secretariat of the Pacific Community

	BP D5, 98848 Noumea Cedex, New Caladonia. Tel: +687 26 20 00. e-mail:valeriea@spc.int
Author as Point of Contact	Yes
*Point of Contact Name	As Above
*Point of Contact Org	
*Point of Contact Position	
*Point of Contact Function (select from list)	Custodian Owner Originator Point of Contact Principle Investigator Processor Publisher
Point of Contact's Address	
History	
Dataset history	Created in 1996. Only one data point was given
Dataset Identification	
Keywords (Enter any number)	French Fishery bycatch Allain
Maintenance	How often is the dataset updated? N/A
Restrictions	Are there any limits that affect the fitness of use of the data? No Are there any legal prerequisites for using the data (e.g. licences) No Are there any handling restrictions imposed on the data for security reasons? No
Spatial Information	
*Coordinate System - list	Decimalised latitude and Longitude
Confidence in pinpointing exact	good

location again	
Distribution	
Is the dataset available to 3 rd parties in published form	Yes
If yes, when was it published	
*Distributor Name	As Above
*Distributor Organisation	
*Distributor Position	
Distributor Address	
Published in Digital Form?	No
*Name of format	text
*Version of data format or software used	N/A
Medium available on (data format CD etc.)	email
*Where is the dataset located e.g. http:// (& format)	N/A
Ordering Instructions	Contact Valerie Allain
Fees and terms for purchasing the dataset	N/A
Status of Data	
Is the dataset complete (If no give details)	No only one point of 229 hauls was recorded.
Additional work to be carried out on the data (details of work, possible outcome and timetable)	None
Will additional/similar work be carried out in the future	No

13 Scottish Association of Marine Scientists Lander

1) General Description of Dataset	SAMS Photolander deployment on the Belgica mounds (Niamh Mound) during the Polarstern 2003 cruise. Deployed 8 th June 2003 Recovered July 2003. Contains 5000 insitu images and video, also carries ADCP CTD and other insitu data. Deployed with 6 additional current meters.
2) Mapped Data	Positions mapped on GIS (Arc 3.2)
3) Catalog Metadata Fields (* indicates it is mandatory)	Select from Lists
General Information	
*Title	SAMS Photolander
*Dataset Creation Date	2003
*Summary	
*Metadata Author	Andy Wheeler (UCC) and Murray Roberts (SAMS)
*Metadata Author Organisation	Murray Roberts (SAMS)
*Metadata Author's Position	
*Metadata Author's Function (select from list)	Custodian Yes Owner Yes Originator Yes Point of Contact Yes Principle Investigator Yes Processor Yes Publisher Yes
Metadata Author's Address	(MR)Dunstaffnage Marine Laboratory, Oban, Argyll, PA37 1QA, UK Tel: +44 (0) 1631-559241. Email: murray.roberts@sams.ac.uk (AW)Dept. of Geology, University College

	Cork, Donovan's Rd., Cork. Tel. 021-4903951. Email: a.wheeler@ucc.ie
Author as Point of Contact	Yes
*Point of Contact Name	Dr. Andy Wheeler
*Point of Contact Org	Dept. of Geology, UCC
*Point of Contact Position	College Lecturer
*Point of Contact Function (select from list)	Custodian Yes Owner Yes Originator Yes Point of Contact Yes Principle Investigator Yes Processor Yes Publisher Yes
Point of Contact's Address	Dept. of Geology, University College Cork, Donovan's Rd., Cork. Tel. 021-4903951. Email: a.wheeler@ucc.ie
History	
Dataset history	Lander deployed in June 2003. Information currently being worked up.
Dataset Identification	
Keywords (Enter any number)	Photolander Belgica mounds 2003
Maintenance	How often is the dataset updated? N/A
Restrictions	Are there any limits that affect the fitness of use of the data? No Are there any legal prerequisites for using the data (e.g. licences) No
Altamar: Marine Biology and Environmental Consultancy info@altamar.ie	

	Are there any handling restrictions imposed on the data for security reasons? Permission must be sought from SAMS and UCC to gather the data
Spatial Information	
*Coordinate System - list	WGS 84
Confidence in pinpointing exact location again	Very Good
Distribution	
Is the dataset available to 3 rd parties in published form	No
If yes, when was it published	N/A
*Distributor Name	As metadata author above
*Distributor Organisation	
*Distributor Position	
Distributor Address	
Published in Digital Form?	No
*Name of format	Images, video and sensor results
*Version of data format or software used	N/A
Medium available on (data format CD etc.)	Not until project has finished
*Where is the dataset located e.g. http:// (& format)	N/A
Ordering Instructions	Contact Murray Roberts/Andy Wheeler
Fees and terms for purchasing the dataset	N/A
Status of Data	
Is the dataset complete (If no give details)	Not complete. Data is currently being worked up. All data was recovered except for ADCP data.
Additional work to be carried out on the data (details of work,	Processing of data.

possible outcome and timetable)	
Will additional/similar work be carried out in the future	Possibly as needs for monitoring of deepwater benthic habitats increases

14 ICES Reports of the Study Group on Cold-Water Corals

1) General Description of Dataset	ICES reports of the Study Group on Cold-Water Corals (May 2002 & 2003)
2) Mapped Data	All data present in these reports has been mapped using the original author data May 2002 report (Joubin 1922) and May 2003 report (A freiweld metadata no 11)
3) Catalog Metadata Fields (* indicates it is mandatory)	Select from Lists
General Information	
*Title	ICES reports of the Study Group on Cold-Water Corals
*Dataset Creation Date	
*Summary	
*Metadata Author	Mark Tasker
*Metadata Author Organisation	
*Metadata Author's Position	(Chair) of Study Group
*Metadata Author's Function (select from list)	Custodian Owner Originator Point of Contact Yes Principle Investigator Processor Publisher Yes
Metadata Author's Address	Joint Nature Conservation Committee Dunnet House 7 Thistle Place

	Aberdeen AB10 1UZ United Kingdom Tel. +44 1224 655 701 Email: mark.tasker@jncc.gov.uk
Author as Point of Contact	Yes
*Point of Contact Name	As above
*Point of Contact Org	
*Point of Contact Position	
*Point of Contact Function (select from list)	Custodian Owner Originator Point of Contact Principle Investigator Processor Publisher
Point of Contact's Address	
History	
Dataset history	Data sets based on previous data that has been gathered and mapped elsewhere
Dataset Identification	
Keywords (Enter any number)	ICES Study Group Reports
Maintenance	How often is the dataset updated? May 2002 & May 2003
Restrictions	Are there any limits that affect the fitness of use of the data? No Are there any legal prerequisites for using the data (e.g. licences) No Are there any handling restrictions imposed on the data for security reasons? No
Spatial Information	

*Coordinate System - list	Maps are given, not the original data
Confidence in pinpointing exact location again	poor
Distribution	
Is the dataset available to 3 rd parties in published form	Please refer to original data sets
If yes, when was it published	
*Distributor Name	As Above
*Distributor Organisation	
*Distributor Position	
Distributor Address	
Published in Digital Form?	
*Name of format	
*Version of data format or software used	
Medium available on (data format CD etc.)	
*Where is the dataset located e.g. http:// (& format)	ICES Reports available on: www.ices.dk/reports/ace/2002/sgcor02.pdf www.ices.dk/reports/ace/2003/sgcor03.pdf
Ordering Instructions	See link above
Fees and terms for purchasing the dataset	N/A
Status of Data	
Is the dataset complete (If no give details)	Yes
Additional work to be carried out on the data (details of work, possible outcome and timetable)	Addition work is being carried out by individuals in study group
Will additional/similar work be carried out in the future	Yes

15 Logachev Training Through Research Cruise Data

1) General Description of Dataset	<p>A series of cruises carried out on the RV Professor Logachev through the Training Through Research program has relevance to corals to the west of Ireland. Other cruises were carried out in Irish waters e.g. TTR9, TTR10, but these were not deemed to be relevant to the current report as no corals were found. However the reports are included for future reference..</p> <p>TTR7 Cold water carbonate mounds and sediment transport on the Northeast Atlantic margin. This survey contains a good spread of gravity cores, boxcores dredges and grabs many of which have coral debris and branching Lophelia. One video in the Hovland mound province with corals. Important cruise. (A Wheeler, UCC. I)</p> <p>TTR8 Geological Processes on the Northeast Atlantic Margin. 8 box cores and 3 gravity cores were taken in Belgica and Hovland areas. Provisional results (not all given) indicated that 2 box cores and one gravity core contained coral. 2 video lines were also taken in Hovland area. (A Wheeler, UCC. Co-chief scientist)</p> <p>TTR13 A large area of carbonate mounds was examined using high res side scan, bottom sampling and underwater video. on the western edge of the Porcupine Bank. Results are important and pending. (X Montez-GSI. Co Chief Scientist)</p>
2) Mapped Data	Yes (TTR7 & TTR8). Plotted in Arc GIS 3.2 (details of samples are given)

3) Catalog Metadata Fields (* indicates it is mandatory)	Select from Lists
General Information	
*Title	Training Through Research-Cruises on RV Professor Logachev
*Dataset Creation Date	

*Summary	Since 1991 TTR cruises have been carried out annually. Above are relevant cruises carried out in Irish waters. TTR7 corresponds to 1997, TTR13 to 2003 etc)
*Metadata Author	Intergovernmental Oceanographic Commission of UNESCO
*Metadata Author Organisation	Intergovernmental Oceanographic Commission of UNESCO
*Metadata Author's Position	N/A
*Metadata Author's Function (select from list)	Custodian Yes Owner Yes/No Originator No Point of Contact Yes Principle Investigator As pre cruise report Processor No Publisher Yes
Metadata Author's Address	http://ioc.unesco.org
Author as Point of Contact	No
*Point of Contact Name	Chief Scientist as per individual cruises (A Wheeler, UCC, X Montez GSI)
*Point of Contact Org	UCC/Geological Survey of Ireland
*Point of Contact Position	
*Point of Contact Function (select from list)	Custodian Owner Originator Yes Point of Contact Yes Principle Investigator Yes Processor Yes Publisher
Point of Contact's Address	AW (Dept. of Geology, University College Cork,

	Donovan's Rd., Cork, 021-4903951) XM (Seabed Survey, Geological Survey of Ireland, Beggars Bush, Dublin 4 (01-6782000)
History	
Dataset history	See individual cruise reports
Dataset Identification	
Keywords (Enter any number)	Logachev TTR cruises in Irish waters
Maintenance	How often is the dataset updated? As each annual cruise is completed
Restrictions	<p>Are there any limits that affect the fitness of use of the data? No</p> <p>Are there any legal prerequisites for using the data (e.g. licences)No</p> <p>Are there any handling restrictions imposed on the data for security reasons? Depending on the data requires. Some data e.g. videos will be possible treated as confidential until scientific papers are published</p>
Spatial Information	
*Coordinate System - list	Yes, Lat long decimalised.
Confidence in pinpointing exact location again	Very good
Distribution	
Is the dataset available to 3 rd parties in published form	Yes
If yes, when was it published	As per individual cruise
*Distributor Name	Intergovernmental Oceanographic Commission of UNESCO
*Distributor Organisation	Intergovernmental Oceanographic Commission
*Distributor Position	N/A
Distributor Address	http://ioc.unesco.org
Published in Digital Form?	Yes
*Name of format	pdf files

*Version of data format or software used	Adobe Acrobat
Medium available on (data format CD etc.)	Downloadable pdf files
*Where is the dataset located e.g. http:// (& format)	http://ioc.unesco.org/ttr/cruises.html
Ordering Instructions	Contact relevant scientists on each of the cruises as given in the cruise reports.
Fees and terms for purchasing the dataset	Some funding may be needed to acquire videos. This would have to be treated on a case by case basis.
Status of Data	
Is the dataset complete (If no give details)	No, only details of samples are given as per cruise reports are used. Additional information could be sought including detailed breakdown of samples, missing samples and videos/ relevant seismic taken during the cruises
Additional work to be carried out on the data (details of work, possible outcome and timetable)	See individual cruise reports.
Will additional/similar work be carried out in the future	Yes

1) General Description of Dataset	Phd Thesis. Development of Coral Banks in the Porcupine Seabight: A multidisciplinary approach. Ghent University. Data is based on the use of high resolution seismics used on the 1997 Belgica cruise. This is an investigation into the mound structures of the Porcupine Seabight "distribution morphology, their stratigraphic and sedimentological setting and the role of geological, biological and oceanographic processes controlling the origin and development of the large seabed structures"
2) Mapped Data	No, see Phd
3) Catalog Metadata Fields (* indicates it is mandatory)	Select from Lists
General Information	
*Title	Ben de Mol Phd
*Dataset Creation Date	October 2002
*Summary	Investigation into the development of coral banks in the Porcupine Seabight-University of Ghent
*Metadata Author	Dr Ben de Mol
*Metadata Author Organisation	GRC- Geociences Marines- Barcelona University
*Metadata Author's Position	Geologist
*Metadata Author's Function (select from list)	Custodian Y Owner Y Originator Y Point of Contact Y Principle Investigator Y Processor Y Publisher Y

Metadata Author's Address	GRC- Geociencias Marines, Department d'Estratigrafia, P.i Geociencias Marines, Universitat de Barcelona/ Facultat de Geologia, Campus de Pedralbes, E-08028, Barcelona, Spain Tel. +34 (0) 93 402 13 60. email: bmol@geo.ub.es
Author as Point of Contact	Yes
*Point of Contact Name	As above
*Point of Contact Org	
*Point of Contact Position	
*Point of Contact Function (select from list)	Custodian Owner Originator Point of Contact Principle Investigator Processor Publisher
Point of Contact's Address	As Above
History	
Dataset history	Created in 2002. Phd is from Ghent University and is based on 1997 Belgica cruise
Dataset Identification	
Keywords (Enter any number)	Ben De Mol Belgica coral banks Porcupinse Seabight
Maintenance	How often is the dataset updated? Belgica has regular cruises in Seabight area
Restrictions	Are there any limits that affect the fitness of use of the data? No Are there any legal prerequisites for using the data (e.g. licences) Author must be credited if information is used

	Are there any handling restrictions imposed on the data for security reasons? No
Spatial Information	
*Coordinate System - list	Lat long
Confidence in pinpointing exact location again	V Good
Distribution	
Is the dataset available to 3 rd parties in published form	Yes as Phd
If yes, when was it published	October 2002
*Distributor Name	Ben de Mol
*Distributor Organisation	As Above
*Distributor Position	
Distributor Address	As Above
Published in Digital Form?	Yes
*Name of format	Pdf
*Version of data format or software used	Acrobat Reader
Medium available on (data format CD etc.)	CD from Ben de Mol
*Where is the dataset located e.g. http:// (& format)	Contact Ben de Mol
Ordering Instructions	Contact Ben de Mol
Fees and terms for purchasing the dataset	N/A
Status of Data	
Is the dataset complete (If no give details)	Yes
Additional work to be carried out on the data (details of work, possible outcome and timetable)	Data needs to be reviewed in detail and raw data gathered so it can be plotted.
Will additional/similar work be	Yes, by Ghent University

carried out in the future

1) General Description of Dataset	Phd Thesis of Veerle Huvenne. Ghent University "Spatial Geophysical analysis of the Magellan Carbonate Build-ups and the interaction with the Sedimentary Processes: Key to a Genetic Interpretation?" The work presented is a study of mainly the Magellan mound province in the Porcupine Seabight. It is mainly based on the use of 2D/3D seismic and side scan but Rov Data is also used. It's aim is to reconstruct the history of the Magellan Mound Province in especially the development of mound structures in relation to the surrounding current and sedimentation patterns.
2) Mapped Data	No, See Phd
3) Catalog Metadata Fields	Select from Lists
General Information	
*Title	Phd Thesis of Veerle Huvenne
*Dataset Creation Date	August 2002
*Summary	Spatial Geophysical analysis of the Magellan Carbonate Build-ups and the interaction with the Sedimentary Processes: Key to a Genetic Interpretation
*Metadata Author	Veerle Huvenne
*Metadata Author Organisation	Southampton Oceanography Centre
*Metadata Author's Position	Geologist
*Metadata Author's Function (select from list)	Custodian Y Owner Y Originator Y Point of Contact Y Principle Investigator Y Processor Y Publisher Y
Metadata Author's Address	Challenger Division for Seafloor Processes,

	Southampton Oceanography Centre, European Way, Southampton, SO14 3ZH UK. Tel. +44 23 80 59 62 63 Email: vaih@soc.soton.ac.uk
Author as Point of Contact	Yes As Above
*Point of Contact Name	
*Point of Contact Org	
*Point of Contact Position	
*Point of Contact Function (select from list)	Custodian Owner Originator Point of Contact Principle Investigator Processor Publisher
Point of Contact's Address	As Above
History	
Dataset history	Phd published in August 2003
Dataset Identification	
Keywords (Enter any number)	Veerle Huvenne, Magellan Mounds
Maintenance	How often is the dataset updated? Complete August 2003
Restrictions	Are there any limits that affect the fitness of use of the data? No Are there any legal prerequisites for using the data (e.g. licences) Must acknowledge author if data is used Are there any handling restrictions imposed on the data for security reasons? No
Spatial Information	

*Coordinate System - list	Lat long
Confidence in pinpointing exact location again	V Good
Distribution	
Is the dataset available to 3 rd parties in published form	Yes
If yes, when was it published	August 2003
*Distributor Name	As above
*Distributor Organisation	
*Distributor Position	
Distributor Address	
Published in Digital Form?	Yes
*Name of format	pdf
*Version of data format or software used	Adobe Acrobat
Medium available on (data format CD etc.)	CD
*Where is the dataset located e.g. http:// (& format)	Contact Author
Ordering Instructions	Contact Author
Fees and terms for purchasing the dataset	N/A
Status of Data	
Is the dataset complete (If no give details)	Yes
Additional work to be carried out on the data (details of work, possible outcome and timetable)	Data could be incorporated in to GIS
Will additional/similar work be carried out in the future	Yes by Ghent University (Prof. Jean Pierre Henriet)

18 Challenger Cruise 142 Data

1) General Description of Dataset	Southampton Oceanography Centre, Challenger cruise 142 in 1999 that investigated the 'Temporal and spatial variability of benthic communities on the Porcupine Abyssal Plain and in the Porcupine Seabight.' Benthic samples were taken using a rock dredge, trawl, video and photography. Lophelia was sampled by rock dredge and seen in photographic and video images.
2) Mapped Data	Yes. Sample stations plotted in Arc GIS 3.2
3) Catalog Metadata Fields (* indicates it is mandatory)	Select from Lists
General Information	
*Title	SOC Challenger Cruise 142 Data
*Dataset Creation Date	Cruise Finished 19 th May 1999
*Summary	Cruise aimed to study long term change in abyssal benthic communities and coral communities on carbonate mounds. Sampling regions: Porcupine Abyssal Plain and Porcupine Seabight. Samples of coral and video were collected
*Metadata Author	David Billett
*Metadata Author Organisation	Southampton Oceanography Centre
*Metadata Author's Position	Scientist in DEEPSEAS Benthic Biology Group
*Metadata Author's Function (select from list)	Custodian * Owner * Originator * Point of Contact * Principle Investigator Processor * Publisher *

Metadata Author's Address	George Deacon Division for Ocean Processes, Southampton Oceanography Centre, Waterfront Campus, European Way, Southampton, SO14 3ZH. UK. +0044 (0) 23 80 596 354
Author as Point of Contact	Yes
*Point of Contact Name	As Above
*Point of Contact Org	
*Point of Contact Position	
*Point of Contact Function (select from list)	Custodian Owner Originator Point of Contact Principle Investigator Processor Publisher
Point of Contact's Address	
History	
Dataset history	Cruise complete May 1999. Data still being processed.
Dataset Identification	
Keywords (Enter any number)	SOC Challenger 142
Maintenance	How often is the dataset updated? N/A
Restrictions	Are there any limits that affect the fitness of use of the data? None Are there any legal prerequisites for using the data (e.g. licences). Data are confidential Are there any handling restrictions imposed on the data for security reasons? Data are confidential
Spatial Information	

*Coordinate System - list	Degrees, Minutes and decimal seconds
Confidence in pinpointing exact location again	Very Good
Distribution	
Is the dataset available to 3 rd parties in published form	No
If yes, when was it published	
*Distributor Name	
*Distributor Organisation	
*Distributor Position	
Distributor Address	
Published in Digital Form?	
*Name of format	
*Version of data format or software used	
Medium available on (data format CD etc.)	
*Where is the dataset located e.g. http:// (& format)	
Ordering Instructions	Contact David Billett
Fees and terms for purchasing the dataset	N/A
Status of Data	
Is the dataset complete (If no give details)	Data set is currently being worked up and is confidential
Additional work to be carried out on the data (details of work, possible outcome and timetable)	Publications are pending. Some videos could be very relevant to areas of interest.
Will additional/similar work be carried out in the future	unknown

19 Wilson 1979 Data (Rockall Bank)

1) General Description of Dataset	Two scientific papers were published by J B Wilson in 1979 on <i>Lophelia pertusa</i> 1) 'Patch' Development of the deep-water coral <i>Lophelia pertusa</i> on Rockall Bank, J. mar. biol. Ass. U.K. (1979) 59, 165-177 and 2) The distribution of the Coral <i>Lophelia pertusa</i> in the North East Atlantic. 1) This data was based on submersible observations on the Rockall Bank. Video (and still) images were taken and these are currently held by M Roberts (SAMS) and video is in an old format. 2) Data was collected from trawl, grab, dredge and submersible records in addition to published data. This data has been incorporated into the Freiweld database. Of particular interest would be the location of submersible dives on the Rockall Bank in Irish Waters
2) Mapped Data	Yes as part of other databases
3) Catalog Metadata Fields (* indicates it is mandatory)	Select from Lists
General Information	
*Title	Wilson 1979 papers
*Dataset Creation Date	1979
*Summary	Location of corals in NE Atlantic and patch development on Rockall Bank
*Metadata Author	J.B. Wilson
*Metadata Author Organisation	Institute of Oceanographic Sciences (Now part of Southampton Oceanographic Centre)
*Metadata Author's Position	Retired
*Metadata Author's Function (select from list)	Custodian Owner Originator Y Point of Contact N(not necessary as papers are published)

	Principle Investigator Y Processor Y Publisher Y
Metadata Author's Address	
Author as Point of Contact	Yes
*Point of Contact Name	J.B. Wilson
*Point of Contact Org	N/A J.B. Wilson has retired
*Point of Contact Position	N/A
*Point of Contact Function (select from list)	Custodian Owner Originator Point of Contact Principle Investigator Processor Publisher
Point of Contact's Address	N/A
History	
Dataset history	
Dataset Identification	
Keywords (Enter any number)	Wilson Lophelia Distribution Rockall Bank
Maintenance	How often is the dataset updated? N/A
Restrictions	Are there any limits that affect the fitness of use of the data? Position fixing not as accurate as modern esp submersible info
	Are there any legal prerequisites for using the data (e.g. licences)
	Are there any handling restrictions imposed on the data for security reasons? No
Spatial Information	

*Coordinate System - list	Latitude and Longitude (Degrees, Minutes and decimalised seconds)
Confidence in pinpointing exact location again	Fair to good.
Distribution	
Is the dataset available to 3 rd parties in published form	Yes
If yes, when was it published	1979
*Distributor Name	Journal of the Marine Biology Association UK
*Distributor Organisation	
*Distributor Position	
Distributor Address	
Published in Digital Form?	No
*Name of format	Journal
*Version of data format or software used	N/A
Medium available on (data format CD etc.)	No
*Where is the dataset located e.g. http:// (& format)	N/A
Ordering Instructions	Journal of the Marine Biology Association UK, 59, 149-177
Fees and terms for purchasing the dataset	None
Status of Data	
Is the dataset complete (If no give details)	Yes
Additional work to be carried out on the data (details of work, possible outcome and timetable)	Video is to be transferred to modern technology but is funding dependant
Will additional/similar work be carried out in the future	No