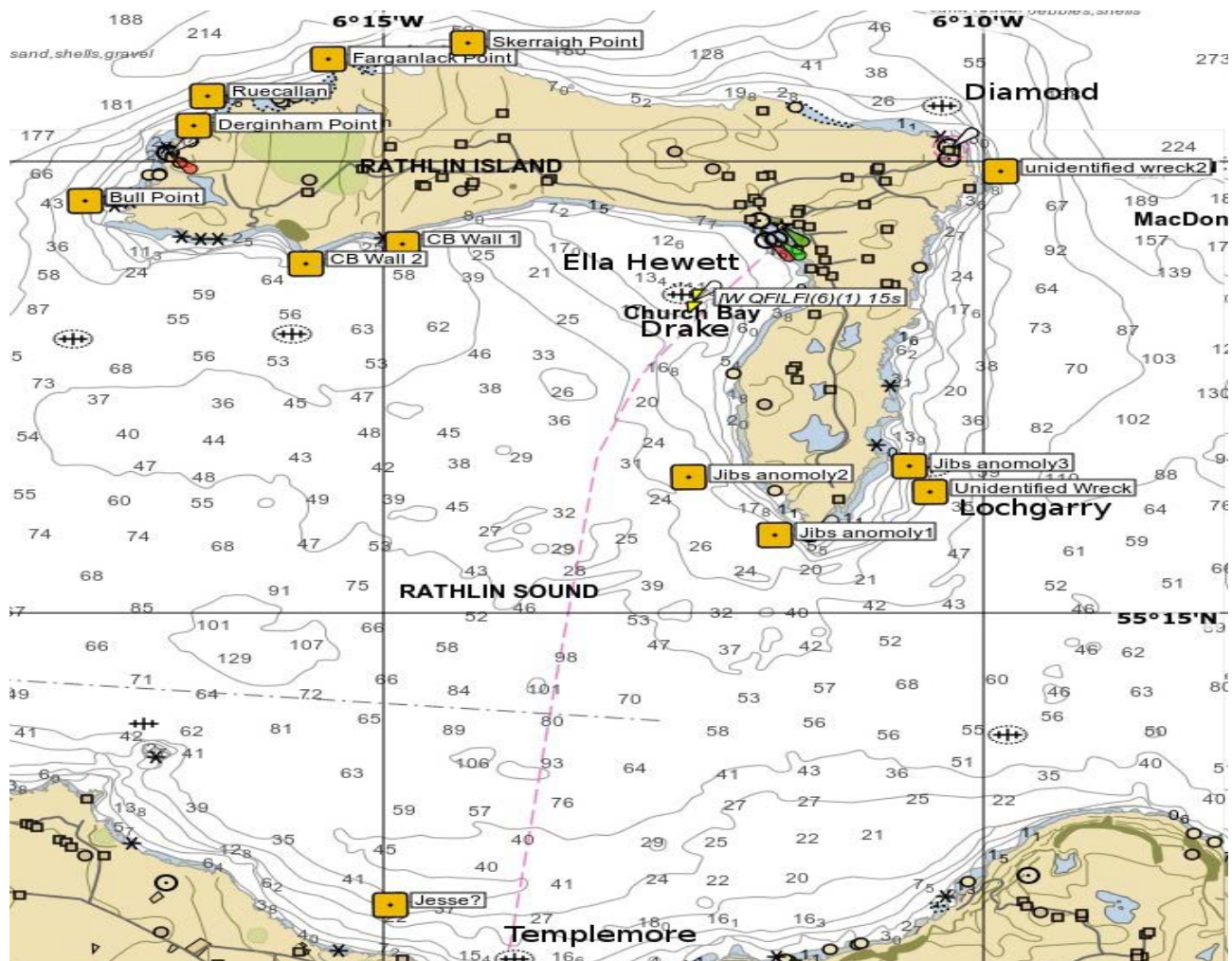


Northern Ireland Venture 2015

Expedition Final Report



Expedition Leader: Alf Draper

Final Report for "BEGS" Grant on behalf of

Sub "C" Divers 1206

Bury SAC 601

Chaumont SAC 1149

July 2015

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Introduction:

About eighteen months ago a few of us were chatting about doing something more challenging to extend our diving experience. We came up with the plan to run an expedition as this would stand us in good stead for Advanced Instructor and ultimately 1st Class Diver.

This would give us the opportunity to work together as a team enabling us to gain more practical experience in training, dive planning and organisation.

It was agreed that first we needed a destination! So we; Alan Brown, Michael Rickard, Jim Donbavand and myself (known as the core team) decided to set up a couple of club nights and invited potential expedition members to put together a short presentation on possible destinations.

In total there were seven presentations shown to a enthusiastic group of divers from three BSAC clubs (Sub "C" diver 1206, Bury SAC 601 and Chaumont SAC 1149. After all the options had been presented and spoken about in detail, Northern Ireland (Rathlin island) emerged as a clear winner.

Whilst the core team would take overall responsibility and settle any controversial matters, we wanted to involve everyone on the trip in the many facets of running the expedition and to extend individuals' experience wherever possible. I was nominated Expedition leader.

Prospective members were invited to fill in an application form stating what they could bring to the expedition, and also what they would hope to gain from it. This enabled the core team to choose the final members, ensuring a good balance of diving experience and life skills for this type of expedition. Jim Donbavand agreed to act as a mentor along with Alan Brown who had just achieved his 1st Class Diver Qualification, thus fulfilling the criteria required to apply for consideration for the BEGS grant application.

The Expedition would run over 10 days from the 3rd July- 12th July 2015, thus coinciding with neap tides later in the week. The Expedition totalled 15 people with two of these being non divers (but these were both boat handlers and O2 qualified), we also had a reserve list.

Appendix 1 Sample Application Form.

Appendix 2 The Agreement.

Purpose:

- The purpose of the Expedition was to undertake a weeks quality challenging & adventurous diving in and around Rathlin Island, and to provide an inclusive expedition experience for a wide range of divers from sports diver through to trainee first class diver, in a safe and remote environment whilst still conforming to BSAC safe diving practices.
- As it is the centenary years of the 1st world war we wanted to dive some of the wrecks from that era that litter this coastline, but also to dive some unidentified new sites identified by the Joint Irish Bathymetric Survey. Where these new sites are unidentified wrecks, the aim would be to take measurements to help identify them.
- As part of the 100 year anniversary we would like to dive the HMS Drake and practice some survey techniques that we will use later on the unknown wrecks.
- To promote inter club relations between Bury SAC, Sub “C” Diver & Chaumont SAC and also not forgetting to have “fun”.

- Pre-Requisites:
- All divers to be a current BSAC member and a qualification of sport diver or above, must hold a valid up to date medical and have experience of UK diving.

Non diving members:

Non diving members were welcome and were actively involved in all non diving tasks, both non divers are boat handlers/cox'n and the expedition has increased their proficiency and self confidence.

Costs:

The Expedition was primarily funded by all members with a total cost of £500 with a contingency of fifty pounds should it be needed.

Each member paid £50 at the monthly meetings, where we kept members up to date on the progress of the trip. The major costs were accommodation, vehicle hire, ferry and food. Additional funds came later from various sponsors, for finances please see (Appendix 3)

Methodology:

We wanted to ensure that our method of planning could be replicated by anyone who planned to run an expedition in the future. We recorded the minutes for all the meetings which served as an invaluable record of information. Training & SDCs became a key consideration as we wanted everyone to be up to the task of both preparing for the trip and be dive fit during the trip.

A table of SDCs was created following a questionnaire given to all members to find out existing skill level. A total of (28) SDCs were completed by the expedition members and a further (9) by general members of the clubs making a total of (37) SDCs. (Appendix 4.)

The expedition ran a Seasearch theory day before we left for Northern Ireland, and the practical element was done on a newly identified reef site McFall's Wall, under the guidance of the Seasearch co-ordinator for Northern Ireland (Claire Goodwin). Similarly we ran a Wreck appreciation theory day before we left, with the intention of completing the practical elements on some of the wrecks out there.

Transport:

The next problem was the transport! How to get 15 people, one rib and 13 sets of dive kit plus all personal luggage to Ballycastle. After dozens of phone calls to various vehicle hire companies, one company said they would be willing to help! in the form of a 17 seater minibus and a transit van (with a towbar), and were happy for us to take the vehicles across the water to Northern Ireland (most of them were not).

Central Self Drive in Warrington did us a fantastic deal and were a pleasure to work with, although I was worried as they wouldn't take any money until we picked up the vehicles, but all was well.

We picked up the vehicles on Friday afternoon on the day we were to travel, 3rd July. Wayne from Bury took the minibus back to Bury where it was arranged for everyone from Bury SAC to meet at one place with their dive kit.

I took the transit van as we were taking our boat. Along with a few of our members we picked up the boat and met up at the Gardners Arms (Howe bridge Atherton) which is one of the venues we used for the monthly meetings. After repacking both transit van and minibus we were good to go to Liverpool to catch the ferry (picking up the last member en-route).

We left the Gardners around 19.30, the sailing was at 22.30 so plenty of time you would think!!

Liverpool was at a stand-still due to a new development and rebuilding of roads, so now we are at 20.30 and have to book in by 21.30. Once we got through this and onto the tunnel we were fine. We exited the tunnel at approx 21.00 with the port 5 mins away. The road runs onto a flyover with two way traffic and as we got to the end of the flyover it looked like a scene from 'Police Camera Action' - there had been a RTA involving a car and a motorcycle.

Our turning was 200 hundred yards in front of us but the police closed the road (the right thing to do of course but this did not help our cause). This resulted in backing up the minibus, van with trailer maybe 200 yards and then doing a u-turn on top of this flyover!!! Anyway we arrived at the port

at 21.26 so no panic !!

Booking in was very easy and before we knew it we were on our way. We had cabins on the ferry (recommended by Richard from Aquaholics) so after a drink in the bar and a bite to eat it was off to bed.

We woke in the morning at Belfast to the worst weather we had seen for a long while, dirty dark angry skies and lashing with rain, but with our spirits still high off we set to Ballycastle. Richard met us in Ballycastle at the marina and instantly made us feel good with the statement (you should have been here last week) scorching hot and 20mtrs viz!! still undeterred we all had a brew and got kitted up for the first dive of the trip.

Accommodation:

When Northern Ireland was selected the next issue was where to stay. In the main there were three options:- one Giants Causeway Cottages this is a group of self catering cottages 10 miles out of Ballycastle. We would need to provide our own compressor and run a rota for filling cylinders. The other consideration was we would not be the only people on site so the running of a compressor might create a problem!

The second option was Ballylinny Cottages again 11 miles out of Ballycastle in its own complex and the nicer of the two, but the same consideration with a compressor, although Alan the owner did offer to site the compressor in a remote spot.

With both the cottage complex option's this would mean transporting divers and cylinders the 10 miles each way every day.

The third option was the Aqualodge in Ballycastle this belongs to Aquaholics this is a purpose built self catering house that sleeps 16 people and has a compressor on site. Another big advantage is that it is 300 yards from the marina where we could keep the boat on the water, also this is where Richard keeps his boat so it emerged the clear winner.



The house sleeps 16 comfortably, with selection of double, twin, three and four bedded rooms, it benefits from a good size full kitchen. We took turns in preparing evening meals for everyone lunch was usually

a packed lunch depending where we were diving. The house could benefit from a drying room or a designated place to hang dry-suits at the end of the days diving, but other than that the house was spot on and every one said the same.

Food:

Although the location was not remote we said from the outset we would provide all our own food (apart from the odd bag of chips).

Hilary Boliss (Bury sac) did a sterling job in running this side of things like a military operation. She produced a food survey for expedition members to ensure she could cater for all dietary requirements including any allergies. Please see (Appendix 5)

Diving:

Below is a list of potential dives and there locations in and around Rathlin Island, weather will affect the dive timetable the long range forecast will be used to come up with initial timetable, but the days diving will be fixed based upon the weather forecast the day before.

Dive Sites

This identifies the dive sites listed below. Additional planning information is given in (Appendix 8)

1. HMS Drake (1917) - A 14,000 ton armoured cruiser (152 x 22 x 8)m, which was torpedoed by U-79. Now lies in 18m in Church Bay off Rathlin
2. MV Ella Hewett - Fishing vessel sunk in 1962 next to the Drake
3. HMT Lochgarry (1942) - A 1670 ton boom defence vessel (81 x 10 x 5)m, which ran aground. Lies at 32m NE of Rue Point Rathlin
4. Jessie? (1835) - Target 1.2km NW of Ballycastle not fully identified lying in 37m
5. Unidentified Wreck - 1.1km NE of Rue Point in the vicinity of the Lochgarry. Identified as an elongated mound 72 x 11m from the Jibs data in 32m [2]. Figure
6. Unidentified Wreck - E off North Rathlin 300m NE Bruce's Castle 56x30m identified from Jibs data lying in 42-46m

- 7. SS Templemore (1911) - Tommy Cecil's conger wreck. A 400 ton coastal cargo ship (44 x 7 x 3m) lies 22m in Ballycastle bay. Big congers used to swim out around boilers**
- 8. Farganlack Point - Drop off on the north wall starting at 20m going down to 200m with swim through at 25m**
- 9. Skerriagh Point - Steep rocky slope to 20 metres, sheer drop off to 40+ metres all dramatically covered with abundant life.**
- 10. Derginham Point - Steep rocky slope to 20 metres, sheer drop off to 40+ metres all dramatically covered with abundant life.**
- 11. RueCallan - Another point on the North Wall with sheer drop off.**
- 12. Bull Point - Interesting canyons 10 - 20m**
- 13. Church Bay Wall 1 55°17.45'N 6°14.85'W 20-50m**
- 14. Church Bay Wall 2 55°17.32'N 6°15.65'W 20-50m**
- 15. JIBS Anomaly 1 55°15.52'N 6°11.75'W. 22m [1]. Strong Currents.**
- 17. JIBS Anomaly 3 55°15.98'N 6°10.62'W. 15m, lumps and bumps near the Lochgarry.**
- 18. New Reef Site identified by Aquaholics**
- 20. SS Diamond (1918) - A 450 ton Collier (53 x 8) that sank in 35m approximately 1 mile NW of Altacarry light.**
- 21. HMS Brisk (1917) - Destroyer escorting the same convoy as the Drake, it is suspected that it hit a mine. Lies in 42m in area of strong currents [12]. Charted depth 57m**

Tides

The Admiralty Tidal Stream Atlas [7] maps all of the tidal stream data against HW Dover, which seems to coincide with HW slack around the Island. Dover tides are covered in Figure 6 and Ballycastle Bay tides.

Dive Management

The Dive Manager will confirm the dive plan based upon an assessment first thing in the morning. Each boat will have its own Dive Manager and Assistant, to run the diving, but there will be one DM that has the final say for the day.

- Dive manager to give dive brief for the day, including any dry runs required.

- Dive management transferred to Assistant when manager in water.
- All diving to be conducted using BSAC safe diving practices.
- Dive Management duties will be allocated on a rota basis, aimed at giving experience to less experienced managers (under supervision).

Backup sites Plan “Bs”

Because Rathlin is an island some of the sites listed will be sheltered regardless of wind direction. If the weather is too bad for the passage to the island, it is likely that the diving available will be very limited e.g. to sites very close to Ballycastle harbour. If this is the case an assessment will be made as to whether any diving can take place.

Diary? Facebook

Nick Worthington volunteered to run a diary to record the days events with the help from other willing members to keep the facebook page updated.
A copy of this is included and is (Appendix 6)

Members Feedback

At the end of the Expedition we supplied each member with a Expedition feedback form for them to fill in and return. The purpose of this was to see what we got right and got wrong. The results I thought were a fair reflection and the Core team were also happy with them, copies are included and are (Appendix 7)

Dive Logs

All dives were logged as per normal diving practice, Dive managers were changed every day giving everyone the chance to gain experience in this role under supervision, copies of all dive logs are inc in (Appendix 8)

Seasearch

Quite a lot of members carried out some Seasearch dives with great results, we were very lucky to have one of Northern Ireland Seasearch co-ordinator with us on a couple of dives (Claire Goodwin) who we found to be invaluable for identifying critters and different types of life.
Samples of the Seasearch forms completed are inc (Appendix 9)

Emergency info

Recompression Facility Regional Recompression Chamber Unit for Northern Ireland
Craigavon Area Hospital, Lurgan Road, Portadown, N Ireland, BT63 5QQ .
Contact via Coastguard or the national diving accident helpline 07831 151523. Day time phone numbers 01762 334444 Emergency phone numbers 01762 336711 [14].
Hospitals Nearest A & E hospital Causeway Hospital 4 Newbridge Road Coleraine BT52 1HS (16 miles). Contact: 028 7032 7032.
Nearest hospital (Community Hospital) Dalriada Hospital 1a Coleraine Road Ballycastle BT54 6EY. Contact: 028 2076 2666.

Appendix 1

APPLICATION FORM

Venture, Expedition Late June, 2015

Name:	
Phone number(s) – land line & mobile:	
E-mail:	
BSAC membership number:	
Highest BSAC diving qualification:	
Diving qualification from other agencies, if higher than above:	
What skills can you bring to the expedition? (i.e. project management, photography, journalism, biology, medical, other professional skills):	

What SDC / courses have you passed and when? (Circle all those that apply)

First aid	Outboard maintenance	Nitrox
O ₂ administration	Marine life appreciation	BSAC photography
Practical rescue management	Sea search	Compressor operation
Lifesaving	Marine archaeology	<i>Add other SDCs</i>
Boat handling	Wreck appreciation	
Chart work	Buoyancy workshop	
Navigation	BSAC risk management	

I confirm that the information above is correct and that I will dive in accordance with the BSAC Safe Diving Practice Note.

Signature:	
Date:	

Please print and submit to Alf, by 20TH Nov 2013

Appendix 2

THE AGREEMENT

- This contract represents the agreement between Alf Draper, Mike Rickard, Alan Brown & Neil Turner (Core Team)
and the individual expedition member (member).

PREAMBLE

- The foreseeable cost of the expedition will be **£500 per person**.
- It may be necessary to request more money to cover costs, which are not foreseeable.

However, this will be confined to a maximum of **£50 per person**.

- The Expedition Leader will for the duration of the expedition take on the role, responsibilities
and authority of the Diving Officer.
- **There will be no refunds** once monies have been paid, as the expedition's fixed costs are non-refundable.
- Members are expected to insure against non-attendance.
- If a member cannot participate on the expedition once monies have been paid, they may negotiate their place

with either anyone on the reserve list or to anyone qualifying under the expedition criteria.

The final decision will remain with the core team.

THE AGREEMENT

- **The core team will:**
 - a. Ensure the general smooth running of an expedition.
 - b. Provide advice on dive planning and management during the expedition.

- c. Ensure dive planning and management sheets are completed
- d. Provide organisation and direction as required.
- e. Ensure all diving is carried out within the BSAC's 'safe diving practices'.
- f. Will delegate duties by agreement with individual members so as to further the aims of the expedition.
- g. Will send joining instructions at least **2 weeks** before the start of the expedition.
- h. Will publish a complete set of accounts by the last day of **October 2015**.
- i. Will distribute any monies left over and unused by the expedition to the members equally.
- j. Will ensure that members are aware of the facilities of the expedition.
- k. Will organise training courses to prepare members for the Expedition.

Agreement Cont:

- l. To encourage everyone to 'make it happen'.
- m. Complete all log sheets and send to the individual dive club diving officers.

N All members will submit an application form and declare that they are fit to dive at the time of the expedition.

Members agree to the following:

- 1. To pay £50 by the 16 July 2014**
- 2. To pay £50 by the last days of August, Sept, Oct and Nov, 2014.**
- 3. To pay £50 by the last days of Jan, Feb, March, April and May 2015**
- 4. To pay any unforeseen costs to a maximum of £50 as defined above.**
- 5. To follow instructions of the core team.
- 6. To ensure all their personal equipment is tested and fit for purpose.
- 7. To be careful with all non-personal equipment.

8. To participate in all appropriate training courses organised by the core team.
9. To be supportive to members of the expedition.
10. Adhere to deadlines as published by the core team.
11. Agree to follow the daily duty rotas.
12. Support the daily dive manager and cox'n in their duties.

Signed: (Expedition Member)

Date:

Countersigned: (Core Team members)

Alf Draper

Mike Rickard

Date

Alan Brown

Jim Dondervand

Appendix 3

Finances

Incomings:

Group Fees	£ 7404.00
Central Self Drive	£ 400.00
Stenaline	£ 344.80
Dive Life	£ 250.00
RRG Toyota (Bury)	£ 200.00
ARCO Energy Assessments	£ 100.00
T & M Rickard, Shoes Repairs	£ 100.00
Sapphire Homes	£ 200.00
Scrap metal	£ 40.00
Waterfields Bakery	£ 20.00
Gallimore's Restaurant	£ 100.00
Ramsbottom Rotary club	£ 150.00
Uncle Joe's Mint Balls	£ 90.00
Contingency	£ 650.00
Cabins (ferry)	£ 550.00
Begs grant	£ 500.00
Cabin excess	£7.26
total	£ 11,106.60

Finances Cont.

Outgoings:

Stenaline	£ 1845.00
Aquaholics	£ 4525.00
Central self drive	£ 1200.00
Food	£ 437.50
Boat fuel	£ 89.17
Vehicle fuel	£ 150.28
Boat fees	£ 140.00
Tunnel charge	£ 13.60
Number plate	£ 6.40
Book (Tommy Cecil)	£ 20.00
Return of Contingency	£ 650.00
Car park Belfast	£ 13.00
Warterfields	£ 20.90
Marina fees (Ballycastle)	£ 75.00
Maps	£ 13.00
Stationery	£ 8.61
Folder	£ 9.99
Boat fees back to Jim	£ 10.00
T-towels	£ 2.99
T shirt for Dive Life	£ 17.00
Photographs for Sponsors	£ 23.00
Balance in bank	£ 1834.31
petty cash	£1.31
Total	£ 11,106.06

Appendix 4

Rathlin Expedition SDC Attendance November 2014 - 4th July 2015				Hyp' Chb Visit	Chartw' & PF	Wreck Appr'	Sea Search Observer	
SDC Already Done (YR)		SDC Wanted :		SDC's Completed				
Expedition Members Name		Branch	Diver Grade					
1	JIM DONBAVAND	1149	1st Class / AI	23/11	1999	Instructed	2009	1
2	ALF DRAPER	1206	AD / OWI	23/11	Instructed	17/5	28/6	3
3	ALAN BROWN	601	1st Class / OWI	23/11	2011	Instructed	28/6	2
4	MICHAEL RICKARD	1206	AD / OWI	23/11	Instructed	17/5	28/6	3
5	SIMON AINSCOUGH	1206	DL / OWI	23/11	2/5		2011	2
6	HILLARY BOLISS	601	DL / OWI	23/11	2011	17/5	28/6	3
7	LYNN HURST	1206	NON DIVER				(2011)	0
8	NICK WORTHINGTON	1206	DL / AOWI				2011	0
9	WAYNE HORNER	601	DL		2011	17/5	2011	1
10	ELAINE BARBER	601	DL		2/5	17/5	2011	2
11	PETER DIXON	601	DL / OWI			17/5	28/6	2
12	BEVERLEY DIXON	601	DL (But not Diving on Exp)					0
13	MIKE COURT	601	SD	23/11		17/5	28/6	3
14	NICK ALWIN	601	OD	23/11		17/5		2
15	MIKE DIXON	1206	DL (ITC, 1996)	23/11			28/6	2
Totals				9	2	8	7	26
Other Members Attending		Branch	Diver Grade					
1	Jared Logan	1206	OD	23/11				1
2	Katie Milner	1206	OD	23/11				1
3	Adam Chase	1206	SD	23/11		17/5	28-Jun	3
4	Katie Milner	1206	OD	23/11				1
5	Chris Heywood	1206	AD / OWI		2/5			1
6	Ken Hilton	1206	SD		2/5			1
7	Reece Wilkinson	1206	OD			17/5		1
8	Joseph (Jed) Mckenna	PADI	MSD				28-Jun	1
9	Elizibeth Spiby	PADI	Adv MSD				28-Jun	1
Totals				4	2	2	3	11
Total of 21 Different Sudents Completed 37 SDCs for this Expedition				13	4	10	10	37

Appendix 5

Food for thought

When planning the food requirements and menus for an expedition it's more complicated than for the dive holiday most people are used to. There's a set budget to work to, possible food allergies, and a variety of diets to be catered for, but the most difficult is gauging the quantities required for catering for three meals a day plus snacks without having to do a daily shop before an early start or after a late finish to the day's diving. Frequently on an expedition the accommodation is in remote areas with no shops nearby, but if there are any they are usually small local ones where supplies are more expensive and possibly not available in the quantities required. For this reason menus have to be planned, food quantities worked out and shopping organised well before departure day.

Luckily these days we can go on-line and order food to be delivered to the accommodation, meaning it's fresh as it doesn't have to be purchased in advance and then transported along with diving kit.

The first task was to get all expedition members to fill in a Food Questionnaire asking for allergies, dietary requirements, preferences and dislikes. Then try to work out menus which catered for everybody with just minor tweaks, e.g. putting one portion of a casserole to one side just before adding the peppers, or one portion of mashed potatoes aside before adding grated cheese.

Then the task of working out a varied menu of evening meals, e.g. alternating potatoes, pasta and rice as the carbohydrates each day, choosing meals with various meats - casserole steak, mince, chicken, burgers and sausages - fish and also a vegetarian meal. Quantities of the various vegetables required then need calculating, cheese and biscuits and fruit for after the main meals, the number of loaves needed for packed lunches, for breakfast toast and possibly supper snacks, sandwich fillings according to preferences on the food questionnaire. One of the most difficult to gauge is often breakfast cereals - the question of preferences for these often gets the answer "Any" - not a helpful response!!

The week's menus were left out for all to see, along with a list of the sandwich fillings available (make-your-own lunches), what the various 'extras' were intended for - chocolate bars and packets of crisps for packed lunches, biscuits, cakes and cuppa-soups for afternoon and supper snacks, fruit for a continually replenished fruit bowl. This gave everyone the opportunity to speak up in advance if there was a meal where they would prefer a variation.

On the whole, the quantities ordered for delivery were just about right. A couple of loaves were left over as one member didn't eat bread and local hostelrys more of a draw than in-house suppers. This probably also accounted for the amount of milk left over. More ham was needed for packed lunches on the last few days, but cheese and tuna were left over. Had we been in a remote area without shops then these would have been eaten instead of the extra ham. Chocolate bars and crisps for packed lunches ran out the day before we left, but some people had been eating these instead of the packet biscuits which had been bought for snacks, biscuits which were then left unopened. One item which was not ordered in sufficient quantities was breakfast orange juice - the wrong box was clicked on the on-line order and 15 x 200ml cartons were ordered instead of litre ones!!

As we were travelling overnight, arriving in Ballycastle early morning, then launching the boat and couldn't get into the accommodation until 2pm, provisions for making sandwiches for lunch, along with cake, fruit and individual bottles of water were taken in cool boxes. Two large beef casseroles had been prepared and frozen a few days before departure and these were also carried in cool boxes and thawed out enough during the journey to be able to heat through for the meal on the first evening.

Obviously the group should work as a team and the cooking of the evening meal and washing up etc should be shared out so a list asking for volunteers of teams of three was left out. As usual, there were a few willing horses who did more than their fair share and others who were content to sit back and let them.

Appendix 6

Diary:

Two branches not drifting apart – Sub C Divers and Bury SAC experience the wild currents of Rathlin Island

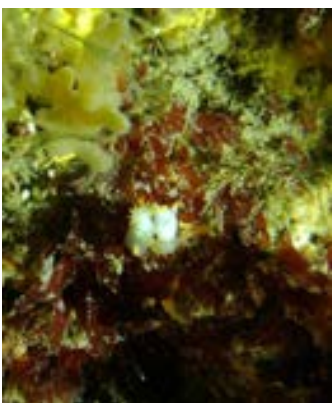
The spectacular landscapes of Rathlin Island made it the compelling destination when Bury SAC and Sub C Divers branches decided to come together to plan another expedition.

An extensive seabed survey project known as the Joint Irish Bathymetry Survey (JIBS) which surveyed the seabed all around Rathlin Island provided an extra intriguing resource. The topographical survey revealed how the sheer rock faces and distinctive geology seen along Rathlin's coastline extend far below the waves as well, presenting many promising dive sites.

The remote and exposed destination brought with it challenges too, not least from the fierce and complicated tidal currents off Rathlin where The Atlantic and north Irish Sea tidal streams collide.



Bury SAC and Sub C Divers had successfully collaborated 4 years ago on a previous expedition, then heading a 100% self-sufficient expedition to the remote Summer Isle of Tanera Mor. This time we opted to utilise the local knowledge of an additional chartered skipper, Richard from Aquaholics. The intention being that with specialised local support we could look to hopefully extend our exploration further.



The expedition sought to investigate the remarkable marine life around Rathlin, an area designated as a Special Area for Conservation. We also wanted to explore some of the many wreck sites which this stretch of unforgiving coast has witnessed over the years. We were keen to work with the Seasearch project to record some of the exceptional marine life which inhabits the waters around the island. The Seasearch Northern Ireland team kindly sent one of the experts, Claire Goodwin to guide us with our surveys and share many insights into the fascinating habitats and life found in Rathlin's rich tidal waters.

One of our early planned dives sadly revealed how vulnerable even long-established dive sites can be. The wreck of the SS Templemore has long been a popular dive site because it offered close interactions with a colony of uninhibited congers. Ten of our team dived the wreck without a single encounter though, with the once plentiful congers now devastated by excessive over fishing. This served to reinforce how important it is to monitor and protect the even more vulnerable unique habitats on Rathlin itself.

At other dive sites we certainly were not disappointed. Rathlin's north coast almost seems sculpted with dramatic exposed arches, pinnacles, sheer walls and deep ravines. The nutrient rich tidal flows along these varied forms of reef, sustaining an abundance of marine life and our photographers were particularly drawn to the wide variety of exotic sponges and nudibranch.



A magnificent highlight of our week was provided on our way to exploring the wreck of the Lochgarry when a basking shark was spotted just south of Rathlin's most southerly point. This fantastic creature casually circled us a couple of times as we enjoyed this memorable encounter, some reached for cameras and a couple very carefully donned masks and slipped just into the water beside our boat. At approximately four meters long, for a basking shark this was a relative juvenile, yet it still had an awe inspiring but serene presence in the water.

Not everything ran quite so smoothly unfortunately as the week progressed. Although the weather had seemed settled during the second day of diving, torrential rain struck our base in Ballycastle in the evening. The sudden down-pour burst some local roads but also unleashed an unnatural looking murky red tide, as peat soaked water flooded into the sea. This deterioration of the vis combined with increasingly unfavourable winds later in the week caused disruption to our planned dive program. The strong and abrupt tidal currents already meant planned periods for slack water were often restrictive, so unfortunately even small additional disruptions ruled out some of our intended exploratory diving. Our skipper Richard cheerfully helped us plot a new program around these obstacles. Introducing us to the concept of "sneaky slacks;" irregular periods of slack which defied the logic of conventional charts or almanacs. We had our own catalogue of contingency plans, but more ambitious hopes of discovering new evidence of wrecks were thwarted.



The search for shelter and decent vis led us further afield instead, and off Fairhead we searched the site of an unknown wreck which has deposited fragments of pottery across the rocky seabed. Heading across the border to Donegal we dived the SS William Mannell, a fine and substantial wreck nicely framed against the white sands it rest upon. The steamer survived service in both world wars, only to sink in 1949 so its condition provides an interesting comparison to the actual wartime wrecks of the HMS Drake and Lochgarry.

When conditions allowed, the north of Rathlin provided some of the most compelling diving of the whole expedition. The strong currents often literally provided an adventurous rush. Being partial to the occasional bracing drift along with my buddy, Sub C Training Officer Simon Ainscough, we seized the chance to be first in the water on our initial dive along the North Wall. The current was flowing fast and we were rapidly swept along, with the manly sense of adventure compromised

slightly by having to resort to holding hands to avoid being separated when the DSMB needed to be deployed!

The current often made its influence felt. On a later dive buddied with Wayne Horner from Bury SAC when we tried to round the approach to the North Arches the tide seemed to take exception and bowled us right back where we came from, straight into the path of the buddy pair following behind. After a rapid round of “OK” signals to check no one was unsettled by the near collision, I got the impression my buddy was fine when I heard the unusual but distinctive sound of him laughing away to himself underwater.



With more favourable winds on the last day we did manage to survey the site of one of the most distinctive anomalies highlighted by the JIBS seabed survey, the suspected unofficial wreck site of the trawler the MVF Berry Bretagne. The challenges of interpreting this type of seabed survey were brought home to us though with our divers drifting across the target area without finding any substantial evidence.

In ideal conditions we might have hoped to have pushed the boundaries of exploration further during our expedition, but would not want to trade that for any of the expeditions' iconic experiences. The encounter with the basking shark, and being dive bombed on our safety stop by guillemots after another great dive along Rathlin's vibrant north arches were fantastic diving highlights. What is more the expedition proved a great learning experience for the various levels of divers and helped reinforce a lasting connection between two fine North West BSAC branches.

Appendix 7

NI Venture 2015 Expedition Feedback Form

Name..... (Date).....

1) How did you rate the dives we completed (5 – excellent, 1 - poor)?

1	Dive site 1		5	Dive site 5		9	Dive site 9	
2	Dive site 2		6	Dive site 6		10	Dive site 10	
3	Dive site 3		7	Dive site 7		11	Dive site 11	
4	Dive site 4		8	Dive site 8		12	Dive site 12	

2) Which ones of these (if any) did you think were challenging and adventurous?

3) Did you think the briefings for the dives were adequate? (Yes/No + Comments)

4) How did you rate the skipper(s)? (5 –excellent, 1 - poor + Comments)

5) Are there any aspects which you thought were unsafe?

6) How do you rate the accommodation? (5 – Excellent, 1 - Poor + Comments)?

7) Were the arrangements for food adequate (Yes/No + Comments)

8) Do you think the expedition was well organised? (Yes/No + Comments)

9) Did you enjoy the expedition and what did you learn?

10) Would you recommend a similar expedition to others?

Appendix 8

Tides

The Admiralty Tidal Stream Atlas [7] maps all of the tidal stream data against HW Dover, which seems to coincide with HW slack around the Island. Dover tides are covered in Figure 6 and Ballycastle Bay tides .

Backup sites

Because Rathlin is an island some of the sites listed will be sheltered regardless of wind direction. If the weather is too bad for the passage to the island, it is likely that the diving available will be very limited e.g. to sites very close to Ballycastle harbour. If this is the case an assessment will be made as to whether any diving can take place.

Passage planning

For the majority of the dive sites 6, the passage plan is to follow the bearing for the distance noted.

The exeptions are all the north wall sites, SS Diamond and Unidentified Wreck near SS Girvana. The north wall sites have to go around the headland at Bull Point, the others have to pass to the right of Rue Point and possibly Altacarry head. Because the area is a strong tidal area there can be significant currents all around the island, particularly at Rue Point and Altacarry Head where overfalls are indicated [7] and the tide can be running in different directions depending upon which side of the island you are [7].

Appendix 9

Seasearch sample form.

Description of the seabed

Please draw an approximate profile of the seabed (i.e. a side-on view), labelling features and dominant forms as appropriate. Remember to show the depth range, direction and a distance scale.

Depth (m)

Direction \leftrightarrow N

10
distance (m)

Types of seabed present: (please tick all that you saw and circle the dominant one)

☒ Rocky Reef
 ☒ Boulders
 ☐ Cobbles and Pebbles
 ☐ Mixed Ground
 ☐ Sand and Gravel
 ☐ Mud
 ☐ Wreckage
 ☐ Other

Did you notice anything unusual or noteworthy about the seabed or the marine life?

Was there any litter or were there any man-made objects apparent?

What marine life did you see on your dive?

Seabed cover types (tick all those present)

Kelp forest

☒

Kelp park

☐

Mixed seaweeds

☒

Seagrass Bed

☐

Encrusting pink algae

☒

Other - specify

☐

Animal turf on rocks

☒

Short

☒

Tall

Animal Beds

(e.g. mussels, brittlestars, scallops - state which)

☐

Sediment with life apparent (tubes, burrows etc)

☐

Barren sediment

(no life or structures apparent)

☐

Species you saw

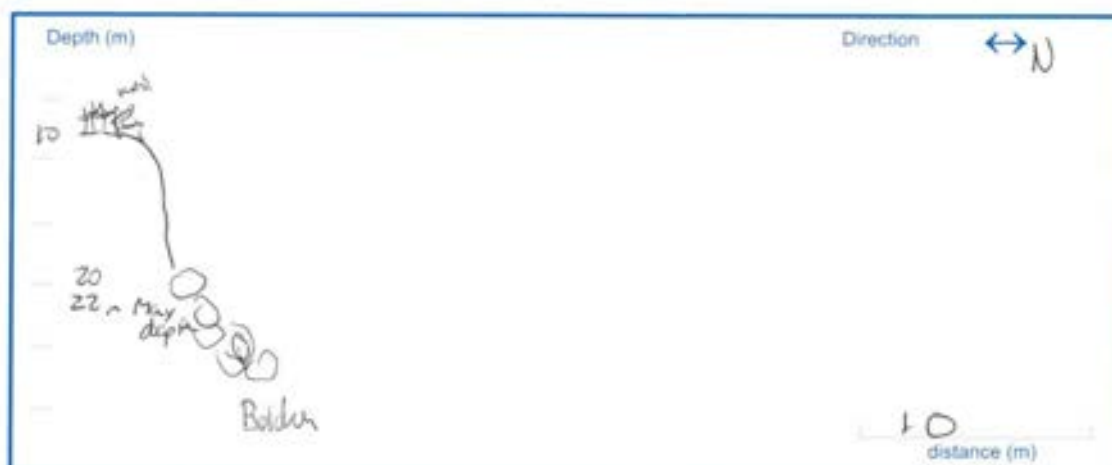
Show abundance of each species as Rare, Occasional, Common, or if you're unsure, Present.

Species	R O C U P
Cotton spine	R
Football Sea squirts	O
Red Cushion star	R
Henricia	R
Common Starfish	C
Nudibranch, white jetfoot	R
Brain sponge	C
Gelatinous Hells sponge	C
Painted top shell	O
Yellow Hedgehog Sponge	C
Velvet swimming crab	R
Antenna Hydroid	C
Branched Hydroid	C
Devonshire cup coral	C
Actinophae phrydoteles	C
White Lipped eys	C
Doel mans fingers	C
Sea Urchin	C
Feather Hydroid	R
Kelp C Shaded Oak	C

Illustrations by Bob Focken-Smith

Description of the seabed

Please draw an approximate profile of the seabed (i.e. a side-on view), labelling features and dominant forms as appropriate. Remember to show the depth range, direction and a distance scale.



Types of seabed present: (please tick all that you saw and circle the dominant one)

Rocky Reef ☒ Boulders ☒ Cobbles and Pebbles ☐ Mixed Ground ☐ Sand and Gravel ☐ Mud ☐ Wreckage ☐ Other ☐

Did you notice anything unusual or noteworthy about the seabed or the marine life?

Was there any litter or were there any man-made objects apparent?

What marine life did you see on your dive?

Seabed cover types (tick all those present)

Kelp forest

☒

Kelp park

☐

Mixed seaweeds

☒

Seagrass Bed

☐

Encrusting pink algae

☒

Other - specify

☐

Animal turf on rocks

☒

Short

☒

Tall

Animal Beds

(e.g. mussels, brittlestars, scallops - state which)

☐

Sediment with life apparent
(tubes, burrows etc)

☐

Barren sediment

(no life or structures apparent)

☐

Species you saw

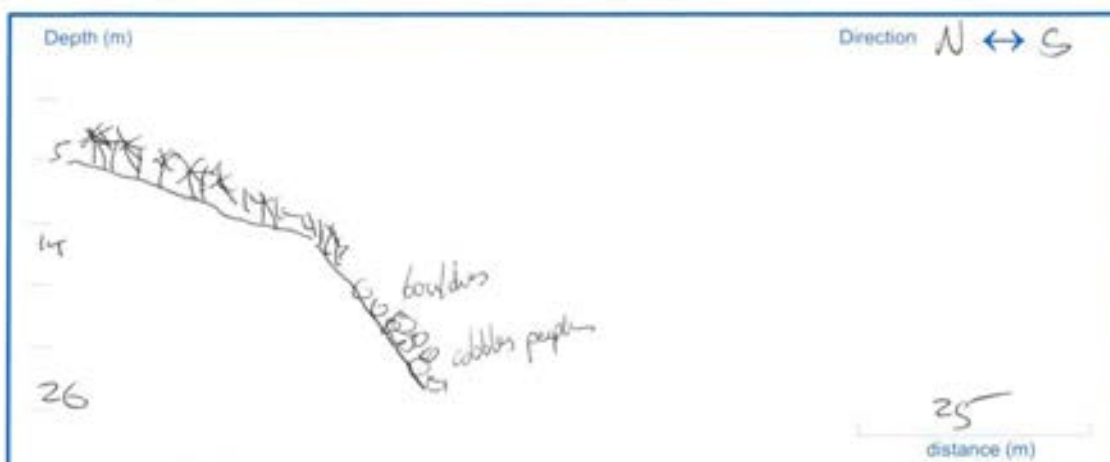
Show abundance of each species as Rare, Occasional, Common, or if you're unsure, Present.

Species	R O C P
Cotton Spine	R
Football Sea squirts	O
Red Cushion star	R
Henricia	R
Common Starfish	C
Nudibranch, white jellyfish	R
Brain sponge	C
Giant Hairy sponge	C
Painted top shell	O
Yellow Hedgehog Sponge	C
Velvet swimming crab	R
Inkman Hydrozoa	C
Branched waterbug	C
Devonshire cup coral	C
Actinophloeus phyllodes	C
White Clipped eys	C
Dead man's fingers	C
Sea Urchin	C
Feather Hydrozoa	R
Kelp C. Shaded Rock	C

Illustrations by Bob Foster-Smith

Description of the seabed

Please draw an approximate profile of the seabed (i.e. a side-on view), labelling features and dominant forms as appropriate. Remember to show the depth range, direction and a distance scale.



Types of seabed present: (please tick all that you saw and circle the dominant one)

Rocky Reef ☒ Boulders ☒ Cobbles and Pebbles ☒ Mixed Ground ☐ Sand and Gravel ☐ Mud ☐ Wreckage ☐ Other ☐

Did you notice anything unusual or noteworthy about the seabed or the marine life?

Was there any litter or were there any man-made objects apparent?

What marine life did you see on your dive?

Seabed cover types (tick all those present)

Kelp forest

☒

Kelp park

☒

Mixed seaweeds

☒

Seagrass Bed

☐

Encrusting pink algae

☒

Other - specify

☐

Animal turf on rocks

☒

Short

☐

Tall

Animal Beds

(e.g. mussels, brittlestars, scallops - state which)

☐

Sediment with life apparent
(tubes, burrows etc)

☐

Barren sediment

(no life or structures apparent)

☐

Species you saw

Show abundance of each species as Rare, Occasional, Common, or if you're unsure, Present.

Species	R O C or P
Red sea squirts	C
Grey mottled sea squirt	O
Light bulb sea squirt	C
Boring sponge	C
Common star	C
Black foot Hermy star	O
Common sea urchin	C
Kelp (Forest)	C
Red sea urchin	C
Downshire cup coral	C
Horn wrack	C
Lions mane jelly fish	O
Moan jelly fish	O
Antenna hydroid	C
Feathery hydroid	C
RED cushion star	O
Hollow fingered Bryozoan	R

Illustrations by Bob Foster-Smith

Appendix 10

Safety Info Coastguard .

In case of diving or boating related emergency contact Belfast Coastguard. At sea VHF channel 16 or DSC if available.

On land dial 999 and ask for Coastguard. Belfast MRCC direct on 02891 463933. Re-compression Facility Regional Re-compression Chamber Unit for Northern Ireland Craigavon Area Hospital, Lurgan Road, Portadown, N Ireland, BT63 5QQ

Contact via Coastguard or the national diving accident helpline 07831 151523. Day time phone numbers 01762 334444 Emergency phone numbers 01762 336711 [14]. Hospitals Nearest A & E hospital Causeway Hospital 4 Newbridge Road Coleraine BT52 1HS (16 miles).

Contact: 028 7032 7032. Nearest hospital (Community Hospital) Dalriada Hospital 1a Coleraine Road Ballycastle BT54 6EY. Contact: 028 2076 2666

Appendix 11 Risk Assessment

Hazard	Who	Freq, Severity, Risk	Controls	Action if occurs
Rapid Ascent	All divers	Occ, Fatal, High	Minimum level of diver expected = Advanced Diver, buoyancy skills should be good	Recover divers and assess. Administer oxygen and contact HMCG for medical advice/evacuation if required.
Separation from boat	All divers	Occ, Fatal, High	Skipper to monitor diver positions, dive pairs marked with DSMB at the end of dive. Divers to carry surface detection aids such	Diver to deploy surface detection aids. Skipper to search for divers and contact coastguard.
Hazard	Who	Freq, Severity, Risk	Controls	Action if occurs
Poor VHF coverage (in the event of emergency).	All boat users	Freq, Fatal, High	Check with locals about radio black-spots. Check radio with coastguard on departure. Leave details of plans and instructions with someone on shore	Try mobile phone. Relay message.
Nitrogen Narcoses	All divers	Freq, Fatal, High	Divers to have built up depth experience immediately before expedition, some build up should be available on expedition	Assistance from buddy.
Bad Visibility	All divers	Freq, Major Injury, High	Good finning technique to avoid stirring up silt. Bottom line for reeling off if poor vis expected.	Abandon dive in adverse reduced visibility.
Entanglement	All divers	Rare, Fatal, Medium	All divers carry appropriate line cutting equipment	Assistance from buddy
Heart attack	All	Rare, Fatal, Medium	Medical self-declarations complete	CPR, contact coastguard at sea or ambulance service on land. Arrange medical evacuation.
DCI	All divers	Occ, Major Injury, Medium	Planning and conduct dives correctly to tables or computers, normally observe safety stop, nitrox available	Administer oxygen and contact coastguard for medical advice/evacuation if required
Diver Separation	All divers	Rare, Fatal, Medium	Divers to dive in buddy pairs at all times, contact maintained throughout dive, carry surface detection aids	Divers surface immediately, advise surface-cover, re-establish contact.

Hazard	Who	Freq, Severity, Risk	Controls	Action if occurs
Gas Loss	All divers	Rare, Fatal, Medium	Buddy pairs plan to have enough gas for dive. Accurate monitoring and recording of gas use. All divers to carry Alternate Supply	Switch to AS, abort dive
Bad gas fill	All divers	Rare, Fatal, Medium	Trained compressor operators. Ensure compressor correct service record. Take care with set up to avoid engine exhaust entering air intake. Drain / change filters as recommended.	Abort dive, do not use cylinders filled from same source until compressor checked
Nitrox filling incident	All compressor operators	Rare, Fatal, Medium	Trained gas blenders. All nitrox equipment to be in oxygen service. Blending in safe area away from flammables	Evacuate area, call emergency services.
Hit by boat or propeller	All divers	Rare, Fatal, Medium	Cox to ensure boats avoid divers. Divers surface under DSMB	Recover injured diver. First aid on boat, coastguard for medical evacuation.
Boat / engine trouble	All boat users	Occ, Major Injury, Medium	Two boats, VHF radio, emergency flares	Drop anchor, other boat to tow, coastguard if more severe problems
Injury from other boats	All divers	Rare, Fatal, Medium	Divers A flag flown whilst divers underwater. Cox monitors and warns other boats. Divers ascend under DSMBs	First aid applied. Coastguard for medical evacuation if necessary.
Food or other allergies	All	Rare, Fatal.	Allergies should be identified on application form.	Hospitalise in case of severe reaction.
Hazard	Who	Freq, Severity, Risk	Controls	Action if occurs
Non-diving injury	All	Occ, Minor Injury, Low	Dive manager to ensure boats kept tidy, care taken on slips, launching boats etc. First aiders and first aid kits on boats and shore	Remove from danger apply first aid, get to hospital. Could be via coastguard if at sea.
Jelly fish sting	All divers	Occ, Minor Injury, Low	Watch for tentacles in the water and on shot line. Wear gloves.	First aid, vinegar and tweezers. Hospitalise in severe cases.
Hyper/Hypoglycemia	Mike Court	Rare, Major Injury, Low	Monitor blood sugar before and after diving. Take corrective action where necessary.	First aid, correct imbalance with glucose or insulin

What went wrong! & what went right!

From the offset we were missing two of our most qualified instructors, one of them still came but was unable to dive due to a medical condition.

This had an impact on some of the dives we planned to do, but we rescheduled and made things work as best as we could.

Another problem was local Flash flooding turning the sea into tomato soup over night, causing yet more scratching of heads to find a plan B.

What went well, to be fair the majority of the trip run very well, the organization of every one on the trip was very good, each person doing there bit to make things happen on time.

Using Aquaholics rib along side of ours was another big plus, giving us lots of option's and allowed us to do some different dives.

Aquaholics excellent outfit "Richard" the owner very knowledgeable and a joy to work with nothing to much trouble and putting us onto some good marks.

The Drake is now so broken up and covered in life it was very difficult to tell what was reef and what was wreck, proving almost impossible to do any worthwhile surveying.

It was great to be able to do some "Seasearch" diving with Claire Goodwin from the Northern Ireland Sea-search.

Something we did was to check out a JIB's target Nr the Lock Garry, conditions were good a gentle drift at 36 mtrs looking for a possible new wreck of reef! alas nothing to report off this one, but a great dive.

All in all a cracking weeks diving with a good bunch of people thanks to everyone.

Appendix 12 Dive Logs

[illegible]



Notes : F10T DCM DUNE NO 2.

[illegible]

FIRST AID KIT AT

BURY SUB-AQUA CLUB - BS-AC 601 NEAREST HOSPITAL

COASTGUARD: when at sea 999 or 112

EMERGENCY ON LAND - ROYAL NAVY DOCTOR 078131151523

DIVE LOG SHEET FOR NITROX/MIXED GROUP DIVING

Date: 5.7.15	Location: HMS DRAKE - BALLYCASTLE							
	Diver 1	Diver 2	Diver 3	Diver 4	Diver 5	Diver 6	Diver 7	Diver 8
Diver's Name	ALAN BROWN	MIKE COOKE	PETER BLOOD	CHARE CAMPBELL	MIKE WOOD	ALAN BROWN	MIKE WOOD	MIKE WOOD
Cylinder WC litres	12	15	15	7x2	12	12	15	15
Cylinder Pressure - in	215	240	200	300	240	240	210	240
Cylinder Pressure - out	80	85	100	170	80		70	90
Gas used - AIR or NITROX	AIR	→	→	→	→	→	→	→
% of O2 in mix								
PP02 (Max 1.4)								
Max Operating Depth								
Current Tissue Code								
Time in	11.02	11.02	11.02	11.02	10.57	11.04	10.57	11.04
Time out	11.53	11.53	11.49	11.49	11.45	11.46	11.45	11.46
Surfacing Code								
Dive Time	51	51	47	47	51	41	51	41
Max Depth	16.7	16.7	16.1	16.1	17.2	17.7	17.2	17.6
Deco / Safety Stops								
Time expected at surface								
UPTD								
CNS%								

Dive Manager: ALF. DEAPER

ALAN BROWN

Log keeper: STEV. DIXON

FIRST AID KIT AT

BURY SUB-AQUA CLUB - BS-AC 601

NEAREST HOSPITAL

COASTGUARD: when at sea 999 or 112

EMERGENCY ON LAND - ROYAL NAVY DOCTOR 078131151523

DIVE LOG SHEET FOR NITROX/MIXED GROUP DIVING

Date: 5.7.15	Location: MCBALLS WALL - RATHLIN ISLAND - BALLYCASTLE							
	Diver 1	Diver 2	Diver 3	Diver 4	Diver 5	Diver 6	Diver 7	Diver 8
Diver's Name	ALAN BROWN	NICK ARMSTRONG	ALAN BROWN	ALAN BROWN	ALAN BROWN	NICK ARMSTRONG	ALAN BROWN	ALAN BROWN
Cylinder WC litres	12	15	12	15	7x2	12	15	
Cylinder Pressure - in	210	230	225	200	170	220	200	
Cylinder Pressure - out	60	80	75	70	70	90	60	
Gas used - AIR or NITROX	AIR							
% of O2 in mix								
PPO2 (Max 1.4)								
Max Operating Depth								
Current Tissue Code								
Time in	14:15	14:13	14:13	14:10	14:10	14:07	14:07	
Time out	14:07	14:57	14:57	14:55	14:55	14:45	14:45	
Surfacing Code								
Dive Time	44	44	44	45	45	38	38	
Max Depth	22.4	22.7	22.5	23.6	23.6	23.2	23.2	
Deco / Safety Stops								
Time expected at surface								
UPTD								
CNS%								

Dive Manager: ALAN BROWN / ALAN BROWN

Log keeper: BEN RIXON

[illegible]

BSAC
Diving for divers

Day / Date	Sunday / 5/1/15	AQUAHOLOGICS RIB Asst DM		SUB C ONE Asst DM		Sub C Cox'n	Sub C Dep' Cox'n
Dive Manager :	Lorne HIRST						
2 Asst Dive Managers		Evelyn		Lorne			
Dive Site name:	McFalls Wood	Sea State	Choppy	Air Temp'		Water - Temp' / Vst'	/
Briefing Time:		HW		Slack		LW	
03 / FA				2-15			

Notes : DAY 2 TUNE 2

[illegible]



BSAC
Diving for divers

Day / Date	12/09/17	AQUAHOICS RIB		SUB C ONE		Sub C Cox'n		Sub C Dep't Cox'n	
Dive Manager :	CHAD HART	Asst DM		Asst DM					
2 Asst Dive Managers									
Dive Site name:	10516 50021	See State	60151	Air Temp/		Water Temp/Vis	/		
Breathing Time:		HW		Slack	900am	LW			
03/FA									

Notes :

[illegible]

[illegible]



BSAC
Diving for divers

Day / Date	02/05/2014 / 7:15	AQUAHOICS RIB Asst DM		SUB C ONE Asst DM		Sub C Cox'n		Sub C Dep' Cox'n	
Dive Manager :	Kevin HUNT								
2 Asst Dive Managers									
Dive Site name:	Franchise	Sea State	Flat	Air Temp'	Percent	Water - Temp' / Wt'	/		
Briefing Time:		HW		Slack		LW			
03 / PA									

Notes :

[illegible]

[illegible]

[illegible]

[illegible]

Venture 2015
Emblem needed

DIVE MANAGEMENT
Northern Ireland Expedition - Venture 2015

3rd July - 11th July

BSAC
Diving for divers

Sub C Divers Branch 120%

Bury SAC Branch 601

Day / Date	Wed 3/1/04	AQUAHOLICS RIB Asst DM		SUB C ONE Asst DM		Sub C Cox'n	Sub C Dep' Cox'n
Dive Manager :	Mr. Richards						
2 Asst Dive Managers							
Dive Site name:	LOUIS GALLAG	Sea State		Air Temp		Water - Temp / Vis	/
Sniffing Time:		HW		Slack		LW	
02 / FA							

Notes:

[illegible]

Dive Site		Lough Gown		Date		8/12/2015		High Water									
Dive Manager: (DL+)		Lynne Hurst		Briefing Time				Low Water									
Asst Dive Manager: (SD+)				Weather Cond / Temp		Cloudy / 14/10/12		Stack		2-320m							
Flat Aid / O2: (DL+)				Water - Temp / Vis		1 /		Sea State		Rough							
Full Name	B	Buddy	Cyl Size	Cyl	Gas In	A / B / T	Planned Depth	Planned Dive Time	Time Down	Time Up	Dive Time (Min)	DECO STOPS			Max Depth (ft)	Gas Out (BAR)	Cyl
												(ft - Min)	(ft - Min)	(ft - Min)			
1. Art Draper	DL	✓	10	A	4.5				9:51	10:25	27	4			32.3	13.0	
2. Peter Dyer		✓	15	A	2.0				9:51	10:28	37	4			31.6	7.0	
3. Alan Brown	DL	✓	12	A	4.0				9:37	10:08	31	3			29.7	24.0	
4. Wayne Turner	DL	✓	12	A	2.5				9:37	10:08	31	3			29.4	16.0	
5. Hilary Bohan	DL	✓	12	A	2.0				9:42	10:09	27	3			28.3	12.0	
6. Nick Alton		✓	15	A	2.0				9:42	10:09	27	3			29	5.0	
7.																	
8.																	
9.																	
10.																	
11.																	
12.																	

PRIOR TO EVERY DIVE: Divers must report to the Dive Manager with their dive plan and complete a buddy check.

D.O.	Mike Rickard	07872 119870	Inform DO of any incident, as soon as possible. <i>Instructions: Please add student name & successfully completed lesson to this sheet.</i>
T.O.s.	Kevin Daven	07970 717103	
	Simon Ainscough	07876 501988	
E.O.	Art Draper	07768 840495	

DM: text "all out safe", Email to rickard@ukdive.com or pass completed Dive log to DO



Sub C Divers

DIVE MANAGEMENT

Branch 1206 - Est. 1980

Dive Site		TEMPLE NOOK		Date	9.7.15		High Water												
Dive Manager : (DL-1)		ALF DRAPER		Briefing Time			Low Water												
Ass' Dive Manager : (SD-1)		ALAN BROWN		Weather (Wind / Temp)	FINE		Black												
Flat Air / O2 : (DL-1)		1		Water : Temp / Vis	1		Sea State												
Full Name	1	2	Buddy Check	Cyl Size (L)	CTC (Comp)	Gas In (Bar)	AIR / O2 (%Vol)	MOG	Planned Dive Time	Time Down	Time Up	Dive Time (Min)	DECO STOPS				Max Depth (m)	See Del (BAR)	CTC (Comp)
													20' Min	30' Min	40' Min				
1. WAINE KOLNER				12	220							38				18.2	100		
2. SIMON AINSWORTH				15	260							38				18.5	80		
3. WILFRED BOLLS				12	210							44				18.6	90		
4. NICK WORTHINGTON				12	210							46				18.7	70		
5. MIKE DIXON				7.4	300-4							45				19	100		
6. ALAN BROWN				12.4	250							47				18.6	100		
7. MIKE COURT				12.4	240							47				18.6	110		
8. PETER DIXON				15	190				10.35	11	28					18.8	80		
9. NICK ALWIN				15	210				10.35	11	38					18.7	50		
10. BLAINE BARBER				12	220				10.34	11	43					18.5	75		
11. ALF DRAPER				12	210				10.36	11	43					18.6	60		
12.																			

PRIOR TO EVERY DIVE: Divers must report to the Dive Manager with their dive plan and complete a buddy check.

D.O. Mike Rickard 07872 119870 Inform DO of any incident, as soon as possible. *Instructors: Please add student name & successfully completed lesson to this sheet.*

T.O.s. Kevin Daven 87979 717162
Simon Ainscough 87876 881088

E.O. Alf Draper 07768 840466

Del: text "all out safe", then Email to bsac@bsac.org.uk or pass completed Dive log to DO

Rev 2014



Sub C Divers

DIVE MANAGEMENT

Branch 1206 - Est. 1980

Dive Site		William Martell		Date		07/15		High Water											
Dive Manager: (SL+)				Briefing Time				Low Water											
Ass' Dive Manager: (SD+)				Weather Cond / Temp		400 / (21)		Stack											
First Aid / O2: (SL+)				Water - Temp / Vis		/		Sea State											
Full Name	Chd	Landed	Buddy Check	Cyl Size (L)	C/D	Gas In (Bar)	A / B / T (60s)	Planned Depth / MOG	Planned Dive Time	Time Down	Time Up	Dive Time (Min)	DECO STOPS				Max Depth (M)	Gas Out (BAR)	C/D
													(15 Min)	(10 Min)	(5 Min)	(1 Min)			
1. Nick Purnell				15		210				5:15	5:43	28					28.6	60	
2. Peter Dixon				15		210				5:15	5:43	28					28.3	90	
3. Alf Draper				10		420				5:35	6:09	34					28.9	120	
4. Evans Brooke				12		205				5:15	6:09	54					28.6	50	
5. Amy Brown				12		220				5:15	5:48	33					28.6	180	
6. Mike Coyle				15		220				5:15	5:48	33					28.5	60	
7. Mark Bolist				12		210				5:15	5:48	33					28.6	80	
8. Nick Wharmington				12		220				5:15	5:49	34					28.8	90	
9. Mike Dixon				7		560				5:15	5:49	34					29.2	3:30	
10. Simon Ansdan				15		220				5:15	5:45	30					29.7	60	
11. Vince Hoence				12		225				5:15	5:45	30					28.6	100	
12.																			

PRIOR TO EVERY DIVE: Divers must report to the Dive Manager with their dive plan and complete a buddy check.

D.O.	Mike Rickard	07872 119870	Inform DO of any incident, as soon as possible. Instructors: Please add student name & successfully completed lesson to this sheet.
T.O.s.	Roger Troman	07802 176588	
	Simon Ansdan	07876 581088	
E.O.	Alf Draper	07768 840486	

DM: text "all out safe". then Email to m.rickard@btworld.com or pass completed Dive log to DO

April 2015

Dive Site		Not to Long's Gully		Date		10/1/15		High Water										
Dive Manager (DL+)				Briefing Time				Low Water										
Ass'Dive Manager (SD+)				Weather Cond / Temp		/		Slack										
Plot Alt / O2 (DL+)		/		Water - Temp / Vis		/		Sea State										
Full Name	DL	Lesson L	Buddy Check	Cyl Size (L)	C/TG (Comp)	Gas In (Bar)	A/N/T (PSI)	M.O.D.	Planned Dive Time	Time Down	Time Up	Dive Time (Min)	DECO STOPS			Max Depth (M)	Gas Out (BAR)	C/TG (Comp)
													(M - 10m)	(M - 15m)	(M - 20m)			
1 Hilary Bates	DL		✓	12		230				2:55	3:28	23				35.7	10.5	
2 Elaine Brubaker	DL		✓	12		225				2:55	3:28	23				35.3	7.5	
3 Robert Brown	DL		✓	15		210				2:55	3:28	23				34.7	7.0	
4 Nick Warrington	DL		✓	12		210				2:55	3:23	28				34.8	10.0	
5 Wayne Turner	DL		✓	12		230				2:55	3:28	28				35.1	10.0	
6 Simon Amaraugh	DL		✓	15		200				2:55	3:19	24				33.7	9.0	
7 Nick Allen	SD		✓	15		230				2:55	3:19	24				37.8	7.0	
8 Alan Brown	UP 100		✓	2 1/2		250				2:45	3:38	52				37.2	10.0	
9 Alf Draper	AD		✓	2 1/2		430				2:45	3:38	52				37.7	11.0	
10																		
11																		
12																		

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D.O.	Mike Rickard	07872 119870	Perform DO of any incident, as soon as possible	Instructions: Please add student name & successfully completed lesson to this sheet.
T.O.s.	Kevin Daven	07870 717102		
	Simon Ainscough	07876 681088		
E.O.	Alf Draper	07768 643466		

DM: text "all out safe", then Email to bsac1206@btworld.com or pass completed Dive log to DO

May 2014



The Arches
Derrinham Point
North Wall, Rathlin Island

Sub C Divers

DIVE MANAGEMENT

Branch 1206 - Est. 1980

Dive Site		North Wall		Date		10/7/15		High Water										
Dive Manager : (DL+)				Briefing Time				Low Water										
Asst Dive Manager : (SD+)				Weather Cond / Temp		/		Black										
Flat Aid / OS: (DL+)				Water / Temp / Vis		/		Sea State										
Full Name	Qual	Licence	Buddy Check	Cyl Size (L)	OTG (Comp)	Gas In (Bar)	A / B / T (%)	S.O.D.	Planned Dive Time	Time Down	Time Up	Dive Time (Min)	DECO STOPS			Max Depth (M)	Gas Out (BAR)	OTG (Comp)
													20' (Min)	25' (Min)	30' (Min)			
Hilary Bellis	DL		✓	12		210				11:53	12:29	36				33.9	85	
David Barker	DL		✓	12		230				11:53	12:29	36				32.9	75	
Peter Dixon	DL		✓	15		210				11:53	12:29	36				32.9	70	
Nick Worthington	DL		✓	12		210				11:53	12:32	36				30.8	50	
Wayne Hornet	DL		✓	12		210				11:53	12:32	36				31.2	50	
Simon Anscough	DL		✓	15		210				11:53	12:11	29				28.1	80	
Nick Atwin	SD		✓	15		210				11:53	12:22	29				28.6	50	
Alan Brown	SD		✓	12		240				11:53	12:29	36				30	280	
Art Draper	AD		✓	12		230				11:53	12:29	36				30	50	
			✓															

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D.O.	Mike Rickard	07872 119870	Inform DO of any incident, as soon as possible	Instructions: Please add student name & successfully completed lesson to this sheet.
T.O.s.	Kevin Daven	07976 717182		
	Simon Ainscough	07876 581088		
E.O.	Art Draper	07768 540466		

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May 2015