# SEASEARCH SURVEY FORM

Form No (leave blank) SWIS-128

If anything is unclear p Each pair of divers sho Please complete all pa	ould complete a fo arts of the form. W	orm between them /here there is a *		seasearch.org.uk
only fill in the informati	Date 7/11/19	Entered by	Date	MR Reference
ecorder leave blank - for Se	asearch use			

Vaus dataila								
							ш,	
Dive/Site detail		0 0 A	, ,	- 1 1 2	<del>,</del>		20	
	0	( Boat )	ord	- Loch E	SNOOM	Date of dive: 27 dd /		
General location		11.11.1					:16	(24hr)
inlesteros	5 - 1	tightand	reg	ion		Dive duration:	56	(mins)
						Sea temperature:	12	°c
Position (degree	s and de	cimal minutes -	state if	in any other for	mat)	Underwater visibility:	6	m
	L	atitude	L	ongitude	W or E	Drift dive?		yes (no
Centre of site	0		0			Night dive?		yes (no)
For drift dives						Did you or your buddy tak	e any of the	following?
From	57°	<b>5</b> 2.637	050	07.231	W	200 40 20		<u>~</u>
То	0	•	0			photographs		yes) no
Or OS Grid Ref	erence				1	video footage		(yes) no
Position derived		(circle)		GPS Datur	m (circle)	specimens		yes (no
GPS Chart	OS ma	3	anning	WGS84	OSGB36	seaweeds for pressing		yes (no)
	-	·				For the area surveyed, w	nat was	190
mod exposed	_			exposed ==== e d ============================		the shallowest depth? (m)	4.0 b	sl bcd
Max tidal stream:						the deepest depth? (m)	24.7 bs	slbcd
>6kt 3-6	kt 🗆	1-3kt	<1k	v. we	eak 🗆	Tidal correction to chart of	atum	m*
Seabed summ	ary	-11						
Summarise: a.	The ma	in features o	f the s	ite, b. Any un	usual featu	res or species, c. Any huma	n activities o	or impacts
	the site							927)

at the site	of the site, b. Any unusual realures of species, c. Any numan activities of impact
a) Boulders in	shallows (-3-4m) Gading to course sand
git slope with	scattered cobbe/small boulders - with low- boulders in centre of site. Flame shell beds sediment and debus 9-25 m
'wall' of large	poulders in certie of site. Flame shell keds
aggregating large	- sedimentand delons 9-15 m
b) Flame dells	c) Fixling trash, bottles, cans

Habitat descriptions	
have done the dive deepest first. Each written descriptio diagrams on the next page. If you found more than 3 has	our dive. Normally the shallowest habitat is No. 1 even if your should tally with the information entered in the columns as bitats, continue your descriptions on another form. Tick box up to 100%) or assign a score from 1-5 as appropriate. If you be assigned later from your description.
1. DESCRIPTION (physical + community) Roch: Boulders in shullows on down shope to ~ 11-12 m in on slope below.	d low rock wall / hoture leading
	Biotope Code
Seabed type: rock boulders cobbles pebbles	gravel sand mud wreckage other
Communities: kelp forest kelp park mixed seawe	eeds seagrass bed enc pink algae
animal turf animal bed	sediment with life barren sediment
2. DESCRIPTION (physical + community)	
Coarse sand gravel shell slop	e knu extended to max depth.
	Biotope Code
Seabed type: rock boulders cobbles pebbles	gravel sand mud wreckage other
Communities: kelp forest kelp park mixed seawe	eds seagrass bed enc pink algae
animal turf animal bed	sediment with life Cobarren sediment
3. DESCRIPTION (physical + community)  Flame shall beds from In  These seem to be acquagations  slope - pubbles/shell/gravel	- 25m (new depth surveyed) the largest sediment on the as well as line.
9	
	Biotope Code
Seabed type: rock boulders cobbles pebbles	gravel Sand Smud Wreckage other

animal turf

Communities: kelp forest

Limana

kelp park

wans animal bed

mixed seaweeds

seagrass bed enc pink algae

sediment with life barren sediment

Rock good Aware

1	2	3	
	m		DEPTH LIMITS
4:0	4.0	90	Upper (from sea level) (i.e. minimum)
2.0	24.7	24.7	Lower (from sea level) (i.e. maximum)
			Upper (from chart datum) *
			Lower (from chart datum) *

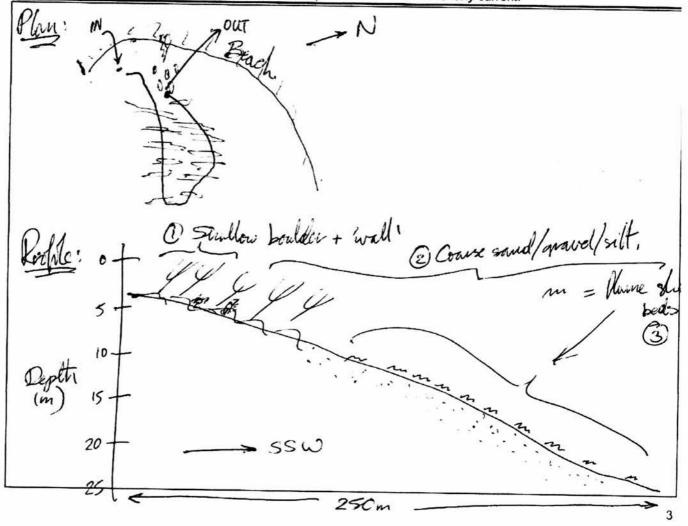
	%		SUBSTRATUM
			Bedrock type?:
10	1		Boulders - very large > 1.0 m
70			- large 0.5 - 1.0 m
IC	Lunes		- small 0.25 - 0.5 m
10			Cobbles (fist - head size)
		25	Pebbles (50p - fist size)
	35	25	Gravel - stone
	25	25	- shell fragments
	25	25	Sand - coarse
	15		- medium
			- fine
			Mud
		(	Shells (empty - or as large pieces)
			Shells (living - eg mussels, limpets)
			Artificial - metal
			- concrete
			- wood
			Other (state)
00	100	100	Total

_1	2	3					
	1-5		FEATURES - ROCK (all categories)				
2		872	Relief of habitat (even - rugged)				
2			Texture (smooth - pitted)				
			Stability (stable - mobile)				
			Scour (none - scoured)				
2			Silt (none - silted)				
3			Fissures > 10 mm (none - many)				
2			Crevices < 10 mm (none - many)				
2	,		Boulder/cobble/pebble shape (rounded - angular)				
			Sediment on rock? (tick if present)				
	1		FEATURES - SEDIMENT (1)				
	1		Mounds / casts				
		1	Burrows / holes				
			Waves (>10 cm high)				
			Ripples (< 10 cm high)				
			Subsurface coarse layer?				
			Subsurface anoxic (black) layer?				
-	1-5		FEATURES - SEDIMENT (2)				
		_	TENTE OF SHIPLING (2)				

Firmness (firm - soft)
Stability (stable - mobile)
Sorting (well - poor)

### Sketches and plans

Draw a **profile and/or plan** of the sea bed you encountered on your dive in the space below. Mark (& number) the different habitats, corresponding to the written descriptions on p.2. Indicate conspicuous and/or characteristic species. Make sure you include **depth(s)** (vertical axis) and a **distance** scale (horizontal axis) for a profile and scale and north point for a plan. Indicate the direction of the profile or plan and the direction of any current.



### **Species List**

Score the abundance of each group of animals and plants in each habitat alongside the name. In the blank spaces list the seaweeds & animals which you were able to identify positively from the different habitats. Use latin names if possible, but if you don't know them, common or descriptive names are acceptable. If you are not 100% sure about any, add a question mark. Do not enter names as guesses - it's better to exclude them than to include incorrect identifications. Give abundances in the columns: Super abundant, Abundant, Common, Frequent, Occasional & Rare. If you did not note abundances, simply enter a P for Present. Continue on a separate sheet, if necessary. If you have a photograph of the species tick the ph column.

		100.10	- 2	577 J	ph of the species tick the ph column.		0 1	- 1	
		Been	Chin	- Cro			Kak	Sod	14
	ph	1	2	3		ph	1	2	
sponges					echinoderms		/	T	
Amphilectus jucorum	1	0			Antedor pilidas	V	C	0	TC
Mashed potate Sporge	1			R	Echinus exculintus	V.		0	10
1					Munther Stevers alicialis	1		0	10
	1				Solister endica	1		1	12
	1	<del>                                     </del>		1	Crossover procesus	5	_	0	+
	+-	$\leftarrow$	-	+		1	<del></del>		10
	+	$\longleftrightarrow$	-	1	ASTOMAN CHURS	1-	<del></del>	P	+
	+	$\leftarrow$	$\leftarrow$	-	Astropocken ittegular	4	-	R	+
	+	$\longleftarrow$	$\leftarrow$	+-	Henricas	4	-		1
	4	$\longrightarrow$	-	1	Amphiara Sp	~	<b>—</b>		K
cnidarians: hydroids, anemones, corals,	4	لسلا			sea squirts	'ـــــــــــــــــــــــــــــــــــــ			1
Jementeria varmisa	1	4	0	0	Assidia mentula	/	0		
Alicanium divitatium	1	18			Cotolla parallelastamma	/			1
Nomertex a diterina	1		0	0	, ,				
Halopters cathogran	7		.6	R					+
11000				-				+	+
									+
	<b>→</b>				<del> </del>	$\vdash$		+	+
The state of the s	1	$\longrightarrow$		$\vdash$	fishes	-	-	+	+
	+	$\longrightarrow$	<del></del>	+		1	3	+	+
	+	$\longrightarrow$	<del></del>	<del></del>	Comer comer	1	R	+	+
	+	$\leftarrow$	-	+	Companies moens	4	C	+_	4
worms	┯	<b></b>	~	<del></del>	Childraichthus cuculus	V)		R	- 6
Spirobranchus	بهد	F	Ē	<u></u>	Trismoterus inimities	4		0	1
Lanice Conchilege	1		0	<u></u>	Godas Montina	1		Ò	
Lineus Longissiumus	/		R		Callionymus lypa	/		R	
,	$\Box$			<u> </u>	0 0				$\perp$
crustaceans   Machul Sp		$\vdash$		0	seaweeds	$\vdash$		+	+
Limmunus gammanus	X	R	$\overline{}$			1	0	A	+
			$\overline{}$	<del>                                     </del>	Samisaria hupertorea	4	*	1	+
Cancer progetimes	X		_	+	Cherda Chang	4	-	-	+
Nicera Albar	1	<del></del> -	C	Š	Eucry serratives	1	F	4	$\perp$
Parguras Dintudios	W	F		0	Pick excusting algae	/	C	F	L
Caseures 80:	1	0	C	0					L
Muliopedia 20	1	لـــا	C	C					
Marrida misson	V		0	F					
Carcinus in Balais	V	F	0					90	
molluscs									+
	V	R							+
Cullintonia zicu phinum	./	$\leftarrow$		F				+	+
Timata mana	10	$\leftarrow$	R		<del></del>	1	<del></del>	+	+
Ack pettern operculsus Pettern maximus	1	$\longrightarrow$		<del></del>	<del></del>	$\longrightarrow$	-	+	+
Cecton maximus		$\longrightarrow$	0	4	<u> </u>	$\longrightarrow$	-	1	1
Ruccinum unaarum	<del></del>	4	R	<u> </u>	other or continuations	لب			$\perp$
Gibbula wabilitas		R	/	<u> </u>	Liocarcinus aspectator	4		0	L
				<u> </u>	Potania polivillus	//	R		
bryozoans			·		Regimechinal miliatis	/		0	T
	1	0							
Membranacea Membranizan		NF	7						+
Market V Color Color	1	100			,				+
					1			<del>                                     </del>	+
	1	<del></del>	$\overline{}$	$\overline{}$		-		-	+
				4		4	4	1	1

Once completed return the form to the Dive Organiser or to Seasearch. Marine Conservation Society, Over Ross House, Ross Park. Ross-on-Wye, Herefordshire, HR9 7QQ.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. They will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public through the Seasearch and NBN websites. If you do not agree with this use of the data do not submit the form.

Validated by



## SEASEARCH SURVEY FORM

Form No (leave blank)

5W18-127

seasearch

If anything is unclear please refer to the Guidance Notes

Each pair of divers should complete a form between them

 Please complete all parts of the form. Where there is a \* only fill in the information if you know it.

Date

Entered by

Date MR Reference

Recorder leave blan	nk - for Se	easearch use						
V								
Dive/Site detai	S							
Site name Day		15 ht un	u pi	BARDE	VTARBAT	Date of dive: 28 dd / 69 m	m/18 v	Ŋ
General locatio	n)	101	) (	A North	ide		(24h	
General location 400 m	servo	nd rol	Ban	BARDENT	ARBAT BAF	Dive duration:	60 (min:	
		POLBA	י,אוּ	WESTER RO	055,	Sea temperature:	12 °	c °c
Position (degree	s and de	cimal minutes -	state if	in any other for	mat)	Underwater visibility:	10+ r	n
		atitude	_	ongitude	W or E	Drift dive?	yes (n	9
Centre of site	0		0			Night dive?	yes no	0)
For drift dives	ra.	01 770				Did you or your buddy take any of	f the following	g?
From	D8 0	01.773	OSº	22.479	$ \mathcal{N} $			3
То	58°	01.742	050	22.639	W	photographs	yes) n	0
Or OS Grid Ref	erence					video footage specimens	yes (n	3
Position derived	from: (	(circle)		GPS Datur	n (circle)	seaweeds for pressing	yes (n	
GPS Chart	OS ma	p (Web ma	pping		OSGB36	oconcous for pressing	yes (m	رو
Exposure of site	e: extren	nely exposed	Jve	exposed ex	cposed	For the area surveyed, what was	(4)	
mod exposed	she	itered v sh	eltere	d ext shelt	ered	the shallowest depth? (m) 1.0	bsl	bcd
Max tidal stream	n:			_	_	the deepest depth? (m) 10.6	bsl	bcd
>6kt 3-6i	kt 🖳	1-3kt	<1k1	v. wea	ak —	Tidal correction to chart datum	لــــا	m*
Seabed summa	ary							
Summarise: a. at t	The ma	in features of	the si	te, b. Any unu	sual feature	es or species, c. Any human activitie	es or impacts	
a) Disu	sed	concer	te	end stee	d pier	at boulder slop	pe	
shore r	uur	ing do	on'	to veri	y gent	at boulder sloping coarse	sand	``
		J			, ,	0 • 0		
b) -				721				
^								
c) puridons	0 61	<0.110	1.21	in la	+ later	a say Mired heavy My	Urish	N
C) EVICACIA	~ T	Scarop	m	ung; us	7	1. hat I men many	- June	3/
SS1 01/14	ومرهاالا	12 m	Bu	seour J	> Althy	AT Conf (m ett)	AB35 PA	15

Habitat	descri	ptions
---------	--------	--------

Complete a box below for each **habitat** you found on your dive. Normally the shallowest habitat is No. 1 even if you have done the dive deepest first. Each written description should tally with the information entered in the columns and diagrams on the next page. If you found more than 3 habitats, continue your descriptions on another form. Tick boxes where shown, and insert percentages (they must add up to 100%) or assign a score from 1-5 as appropriate. If you are uncertain leave the box blank. The biotope code will be assigned later from your description

are uncertain leave the box blank. The biotope code will be assigned later from your description.
1. DESCRIPTION (physical + community)
Steel and countling concrete pier structure, and onearby fiching winch / lifting debris forming shelter lor list and well encrusted below low tide. Rich in seaweed in
A bil sold Att a belief Coming dieter for
nearby framing when him along the
his and well encrusted below tow tide. Kill in seawies
kelp.
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae
animal turf sediment with life barren sediment
2. DESCRIPTION (physical + community)
Slope of huge boulders with dense kelp cover.
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae
animal turf with life barren sediment sediment animal bed
3. DESCRIPTION (physical + community)
Course pale sand - sediment with work and
Course pale sand - sediment with worm and burrowing arremones, echinoderus.
June 3
Biotope Code
eabed type: rock boulders cobbles pebbles gravel sand mud wreckage other
communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae
animal turf sediment with life barren sediment

	WRCK	Roule	Soul	
	1	2	3	
		_m		DEPTH LIMITS
	1.0	X.0	8.0	Upper (from sea level) (i.e. minimum)
٠5	10	8-0	10.6	Lower (from sea level) (i.e. maximum)
		122		Upper (from chart datum) *
				Lower (from chart datum) *

	%		SUBSTRATUM			
			Bedrock type?:			
40			Boulders - very large > 1.0 m - large 0.5 - 1.0 m			
	30		- small 0.25 - 0.5 m Cobbles (fist - head size)			
	20					
			Pebbles (50p - fist size)			
			Gravel - stone			
		50	- shell fragments			
		30	Sand - coarse			
		20	- medium			
			- fine			
			Mud			
			Shells (empty - or as large pieces)			
			Shells (living - eg mussels, limpets)			
			Artificial - metal			
80		11,111	- concrete			
			- wood			
20			Other (state) Steel			
100	100	100	Total			

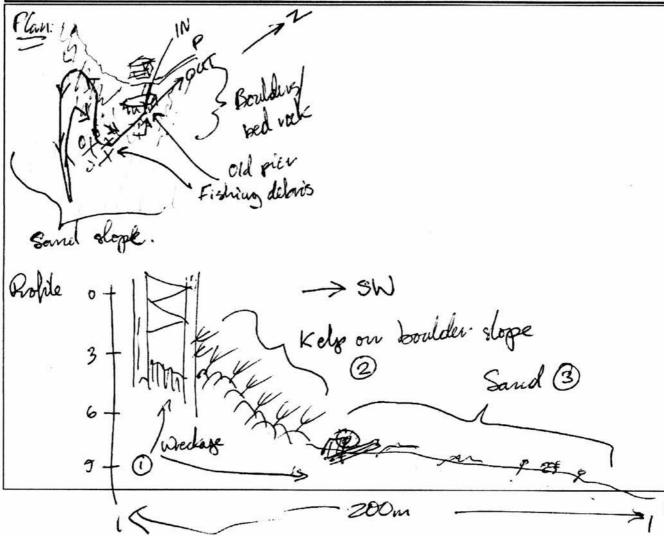
_1_	2	3	
	1-5		FEATURES - ROCK (all categories)
	3		Relief of habitat (even - rugged)
			Texture (smooth - pitted)
	2		Stability (stable - mobile)
	2		Scour (none - scoured)
	1		Silt (none - silted)
	4		Fissures > 10 mm (none - many)
	4		Crevices < 10 mm (none - many)
	3		Boulder/cobble/pebble shape (rounded - angular)
			Sediment on rock? (tick if present)
	,		

1	FEATURES - SEDIMENT (1)
	Mounds / casts
	Burrows / holes
	Waves (>10 cm high)
	Ripples (< 10 cm high)
	Subsurface coarse layer?
	Subsurface anoxic (black) layer?
	Caddanace anoxic (Cidex) layer
1-5	FEATURES - SEDIMENT (2)
1 3	

1-5	FEATURES - SEDIMENT (2)
	Firmness (firm - soft)
	Stability (stable - mobile)
	Sorting (well - poor)

Sketches and plans

Draw a profile and/or plan of the sea bed you encountered on your dive in the space below. Mark (& number) the different habitats, corresponding to the written descriptions on p.2. Indicate conspicuous and/or characteristic species. Make sure you include depth(s) (vertical axis) and a distance scale (horizontal axis) for a profile and scale and north point for a plan. Indicate the direction of the profile or plan and the direction of any current.



#### **Species List**

Score the abundance of each group of animals and plants in each habitat alongside the name. In the blank spaces list the seaweeds & animals which you were able to identify positively from the different habitats. Use latin names if possible, but if you don't know them, common or descriptive names are acceptable. If you are not 100% sure about any, add a question mark. Do not enter names as guesses - it's better to exclude them than to include incorrect identifications. Give abundances in the columns: Super abundant, Abundant, Common, Frequent, Occasional & Rare. If you did not note abundances, simply enter a P for Present. Continue on a separate sheet, if necessary. If you have a photograph of the species tick the ph column.

	,			d Sone	1		w KU	boul	150
	ph	1	2	3		ph	1	2	3
sponges	-				echinoderms				Ι.
	-				Eding esculentus	/	0	-	R
	_				Asterias publish	1			
					ASTERIAS MULEAS,	ν.	0	0	R
					AStropector unequion	KI	3-24		R
					Herricia Sp	1	R		
					8				
¥		a some					.,		
cnidarians: hydroids, anemones, corals,					sea squirţs				
Officina Lelina	1	R			Ascidia Ospeka	Z			F
Obelia generalata	/	F	F		Rochallus Schlosseri			0	<u> </u>
Cyanea Dimorphi	/		R		73.00			1	_
Cerianthus Moudie	-			O					
Stalked Jelly	1		0	o					
	200			Ť		$\vdash$		<b>—</b>	
									1
					fishes			-	
					Pollachung pollachung	1	F		
					Pollachius vitens			_	1
worms					M HOXOCEPHALUS SCOTTI		-		F
Spirothic Sp	~	-	0	F	Gobiusculus Unies a	1		0	1
Circles Spirithum		-	5	F	0 3 0000 3000 0000	-			
					"	-			
						$\overline{}$		-	_
									<u> </u>
crustaceans					şeaweeds		-		
carret pagurus		0		0	Laminaria huper boxen	7	7	-	
Necota puber		0	0	-	Sachanna Labessima	1	0	F	F
Concernis Macros	$\overline{\mathcal{I}}$	Ö			Final Sorratus	<u> </u>	0	-	1
Macropodia Sp			R		Vina lactura		F		F
Galathea San amalera	1		0	<del>                                     </del>	Pint environmental algae		F	<b>b</b>	-
Galathea Squamdera Pogurus Sp			0		h west rea	<del>-, </del>		E	-
Liocarcional depurator				R	Palmaria palmuta		چ	C	-
Extredia < p		C	_	-			0	-	-
molluscs	-			-	Chorda Cilum	-		_	- 0
1 Hillus edulis	1	_		$\vdash$	Hara exculenta	-/-	_	<u> </u>	-
- ibillo magus	//	_	_	0	Red encrusting algre	~		F	
- LOURCE THEOLIE		_	8	4	J	$\rightarrow$			
			1	1 1					
	7		R			_			
			0						
					other or continuations				
			0		other or continuations				
Callostima Jizyphiji Acura jukta Reguipecten opekida			0		other or continuations				
Callostima J. Zyphiji Lacura Jyricta Reguipaten operalan			0R		other or continuations				
Callostima J. Zyphiji Lacura Livicta Reguspecten opercitar		F	4		other or continuations				
Callostima Jizyphiji Accura Vivicta Reguspecten opercitar		F	0R		other or continuations				
Callostima Jizyphiji Acura jukta Reguipecten opekida		F	4		other or continuations				
Callostima Jizyphiji Accura Vivicta Aeguspecten opercitar		F	4		other or continuations				
callostima Jizyphiji acura virkta Aeguspecten opekidan rozoans		F	4		other or continuations  Continue on a separate sheet if you ne				

Once completed return the form to the Dive Organiser or to Seasearch, Marine Conservation Society, Over Ross House, Ross Park, Ross-on-Wye, Herefordshire, HR9 7QQ.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. They will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public through the Seasearch and NBN websites. If you do not agree with this use of the data do not submit the form.

Please save the form, then email it to one of the following people:

- the Seasearch coordinator for the area where the dive took place
- the dive organiser
- · the National Seasearch Coordinator at info@seasearch.org.uk

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. It will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public. If you do not agree with this use of the data do not submit the form.

for Seasearch use only	validated by	0.0	date	7/1/188
	entered by		date	
	MarRec No			

Seasearch Marine Conservation Society Over Ross House, Ross Park Ross- on- Wye Herefordshire HR9 7QQ

SA	aseárch
35	www.seasearch.org.uk
	WWW.coucou.omorg.ux

Seasearch is a joint project co-ordinated by the Marine Conservation Society and supported by: The Wildlife Trusts, Natural England, Countryside Council for Wales, Scottish Natural Heritage, DOE Northern Ireland, Joint Nature Conservation Committee, Environment Agency, Marine Biological Association, British Sub-Aqua Club, Professional Association of Diving Instructors, Scottish Sub-Aqua Club, Sub-Aqua Association, Irish Underwater Council and the Nautical Archaeology Society.

Record no (recorder leave blank)

121-11MS

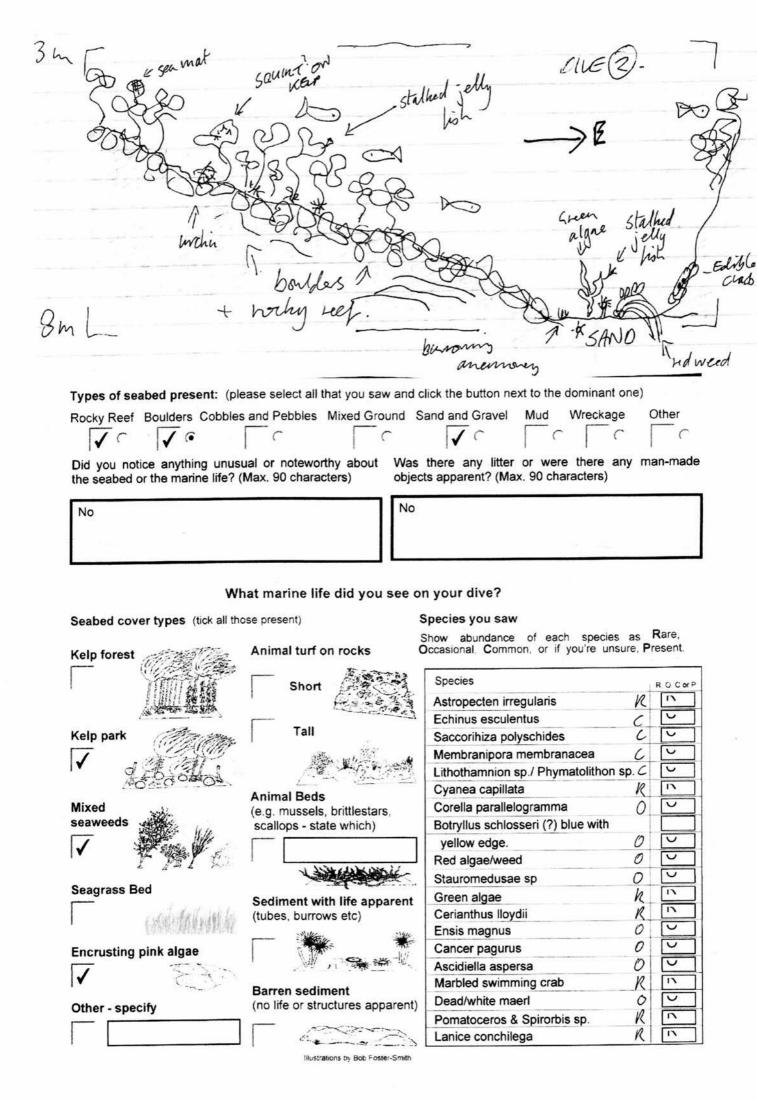
## Seasearch Observation Form



This form asks for two types of information from your dive - what the seabed was like and what marine life you saw. Please read the guidance notes before completing the form. By completing this form you will be adding to our knowledge of the marine environment - helping it to remain fit for life!

Site Name	Date of Dive 23/09/2018				
South end of Ellean Fada Mór	Start of dive 14:16 (24hr)				
	Dive duration 40 (mins)				
General Location (inc county)	Max depth of survey 8 m				
Summer Isles, Highland Region,	Sea Temperature #-726 °C				
Scotland	U/W visibility 10 m				
Position at start of dive (degrees & decimal minute  00.492 N 5 25.771  Position at end of dive (if different only)	or OS Grid Reference Work 2 letters (1 in Ireland), 6 numbers				
Position derived from (select one) GPS Chart OS Map C Web mapping site C	Drift dive?				
Did you take any photographs? ✓ or	video footage? [√				

SO digital v2.1 160210



23/09/2018 Dive 2	SW18-126
Species cont.	5W18-126
Saccorhiza polyschides	8
Corella parallelogramma	0
Ophiura albida	R
Clear, fairly flat sponge/compound (?) squirt? Attached to	
kelp in various of my pictures. Transparent with inlets/outlets.	
Nucetia lapillus (Dog Whelk)?? - this is the tiny wee stripy shells on the	(A)
kep in my photos Lacuna Vincta	0
Liocarcinus depurator	0
Electra pilosa	R
Chaetopterus variopedatus	R
Urticina felina	R
Plankton (string with pink blobs) Salpa Jusiformis! R	

Please save the form, then email it to one of the following people:

- the Seasearch coordinator for the area where the dive took place
- the dive organiser
- · the National Seasearch Coordinator at info@seasearch.org.uk

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. It will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public. If you do not agree with this use of the data do not submit the form.

for Seasearch use only	validated by	D.P.	date	6/11/18
	entered by		date	
	MarRec No			

Seasearch Marine Conservation Society Over Ross House, Ross Park Ross- on- Wye Herefordshire HR9 7QQ



Seasearch is a joint project co-ordinated by the Marine Conservation Society and supported by: The Wildlife Trusts, Natural England, Countryside Council for Wales, Scottish Natural Heritage, DOE Northern Ireland, Joint Nature Conservation Committee, Environment Agency, Marine Biological Association, British Sub-Aqua Club, Professional Association of Diving Instructors, Scottish Sub-Aqua Club, Sub-Aqua Association, Irish Underwater Council and the Nautical Archaeology Society.

Record no (recorder leave blank)

## Seasearch Observation Form



This form asks for two types of information from your dive - what the seabed was like and what marine life you saw. Please read the guidance notes before completing the form. By completing this form you will be adding to our knowledge of the marine environment - helping it to remain fit for life!

_			
			*****
_	-		
13			
1			
-			

Site Name	Date of Dive 23/09/2018
S.E. Tanera Beg	Start of dive 10:20 (24hr)
	Dive duration 40 (mins)
General Location (inc county)	Max depth of survey 16 m
Summer Isles, Highland Region,	Sea Temperature    744 °C
Scotland	U/W visibility 10 m
Position at start of dive (degrees & decimal minute	or OS Grid Reference
<b>独</b> ° 00.328 N 5 ° 26.197	W
Position at end of dive (if different only)	2 letters (1 in treland), 6 numbers
N O	W
Position derived from (select one) GPS Chart OS Map Web mapping site	Drift dive?
	video footage?    √

SO digital v2.1 160210

	1			
m 2200 -	8	n lu	正(	2)
STOR C	sea mat.	1 - lish.		
al Description	Sil sand	ON "		
Se of the second	De co	المالية	SE	
11000	Who of		ノル	
lade & SOR	and a	help o		Runn
The state of the s	A COMODE	5 trater on help.		BUNG
main 7 4	MAN LONG	No state		1
roch utt		20 m	120/	1
100 # 1		seq seq	shou	(I)
nep anach	od 35 mg Care	toud Get	A	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TATE	A TO L ALLES	800	SAW
	winds I have	X 8 30 7 3	VA.	
ML	e custo	U DE Q	178	
ML	archo on argae	800 1	, ,	
Types of seabed present: (	please select all that you saw and	click the button next to the dominant of	ne)	
Rocky Reef Boulders Cobb	les and Pebbles Mixed Ground	Sand and Gravel Mud Wreckage	0	ther
J. J.	$\Gamma_{\mathcal{C}}$ $\Gamma_{\mathcal{C}}$	V CCC		
1.	1	1 1	, ,	
Did you notice anything un the seabed or the marine life		s there any litter or were there an ects apparent? (Max. 90 characters)	iy mai	n-maue
the seabed of the marine me	: (Wax. 55 characters)	cos apparent (max. ee enarecte)		
No	$11 \lambda$	<i>'</i> o		
No.	$\prod \lambda$	<i>b</i> .		
No.		0.		
No.		<i>.</i>		
301 50 80				
\	What marine life did you see	on your dive?		
\(\text{\tint{\text{\tint{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\text{\texi}\text{\tin}\tint{\text{\text{\text{\text{\text{\text{\texi}\tint{\text{\text{\texi}\tint{\text{\texi}\tint{\text{\texi}\text{\texi}\tin}\tint{\text{\texi}\text{\texit{\texi}\texitit{\texit{\tex{	What marine life did you see	on your dive? Species you saw		lara.
Seabed cover types (tick all	What marine life did you see those present)	on your dive?  Species you saw  Show abundance of each species	as R	tare,
	What marine life did you see	on your dive? Species you saw	as R ire, Pre	tare,
Seabed cover types (tick all	What marine life did you see those present)  Animal turf on rocks	on your dive?  Species you saw  Show abundance of each species	ire, Pre	dare, sent.
Seabed cover types (tick all	What marine life did you see those present)	on your dive?  Species you saw  Show abundance of each species Occasional Common, or if you're unsu	ire, Pre	sent.
Seabed cover types (tick all Kelp forest	What marine life did you see those present)  Animal turf on rocks  Short	on your dive?  Species you saw  Show abundance of each species Occasional, Common, or if you're unsu	c R	CO COP
Seabed cover types (tick all Kelp forest	What marine life did you see those present)  Animal turf on rocks	Species you saw Show abundance of each species Occasional Common or if you're unsu  Species Laminaria Hyperborea Calliostoma zizyphinum Necora puber	C R	ESENT.
Seabed cover types (tick all Kelp forest	What marine life did you see those present)  Animal turf on rocks  Short	Species you saw Show abundance of each species Occasional, Common, or if you're unsu  Species Laminaria Hyperborea Calliostoma zizyphinum Necora puber Stauromedusae sp.	C R O R	COCOPP
Seabed cover types (tick all Kelp forest	What marine life did you see those present)  Animal turf on rocks  Short	Species you saw Show abundance of each species Occasional, Common, or if you're unsu  Species Laminaria Hyperborea Calliostoma zizyphinum Necora puber Stauromedusae sp. Lithothamnion sp/ Phymatolithon sp	C R O R	COCORP
Seabed cover types (tick all Kelp forest	What marine life did you see those present)  Animal turf on rocks  Short	Species you saw Show abundance of each species Occasional, Common, or if you're unsu  Species Laminaria Hyperborea Calliostoma zizyphinum Necora puber Stauromedusae sp. Lithothamnion sp/ Phymatolithon sp. Asterias rubens	C R O R	COCOPP
Seabed cover types (tick all Kelp forest Kelp park  Mixed	What marine life did you see those present)  Animal turf on rocks  Short  Tall  Animal Beds (e.g. mussels, brittlestars,	Species you saw Show abundance of each species Occasional, Common, or if you're unsu  Species Laminaria Hyperborea Calliostoma zizyphinum Necora puber Stauromedusae sp. Lithothamnion sp/ Phymatolithon sp Asterias rubens  Aurelia aurita (juvs attached to kelp	C R O R	COCORP
Seabed cover types (tick all Kelp forest Kelp park  Mixed	What marine life did you see those present)  Animal turf on rocks  Short  Tall  Animal Beds	Species you saw Show abundance of each species Occasional, Common, or if you're unsu  Species Laminaria Hyperborea Calliostoma zizyphinum Necora puber Stauromedusae sp. Lithothamnion sp/ Phymatolithon sp. Asterias rubens Aurelia aurita (juvs attached to kelp Ascidiella sp. (aspersa or scabra?)	C R O R	C C C C C C C C C C C C C C C C C C C
Seabed cover types (tick all Kelp forest Kelp park  Mixed	What marine life did you see those present)  Animal turf on rocks  Short  Tall  Animal Beds (e.g. mussels, brittlestars,	Species you saw Show abundance of each species Occasional, Common, or if you're unsu  Species Laminaria Hyperborea Calliostoma zizyphinum Necora puber Stauromedusae sp. Lithothamnion sp/ Phymatolithon sp. Asterias rubens Aurelia aurita (juvs attached to kelp Ascidiella sp. (aspersa or scabra?) Echinus esculentus	C R O R O C	ESCORP
Seabed cover types (tick all Kelp forest  Kelp park	What marine life did you see those present)  Animal turf on rocks  Short  Tall  Animal Beds (e.g. mussels, brittlestars,	Species you saw Show abundance of each species Occasional, Common, or if you're unsu  Species Laminaria Hyperborea Calliostoma zizyphinum Necora puber Stauromedusae sp. Lithothamnion sp/ Phymatolithon sp. Asterias rubens Aurelia aurita (juvs attached to kelp Ascidiella sp. (aspersa or scabra?) Echinus esculentus Kelp stipe species	C R O R C O C C O	Sent.
Seabed cover types (tick all Kelp forest  Kelp park  Mixed seaweeds	What marine life did you see those present)  Animal turf on rocks  Short  Tall  Animal Beds (e.g. mussels, brittlestars, scallops - state which)	Species you saw Show abundance of each species Occasional, Common, or if you're unsu  Species Laminaria Hyperborea Calliostoma zizyphinum Necora puber Stauromedusae sp. Lithothamnion sp/ Phymatolithon sp. Asterias rubens Aurelia aurita (juvs attached to kelp Ascidiella sp. (aspersa or scabra?) Echinus esculentus Kelp stipe species Pollachius sp	C R O R O C O C O	
Seabed cover types (tick all	What marine life did you see those present)  Animal turf on rocks  Short  Tall  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Sediment with life apparent	Species you saw Show abundance of each species Occasional, Common, or if you're unsu  Species Laminaria Hyperborea Calliostoma zizyphinum Necora puber Stauromedusae sp. Lithothamnion sp/ Phymatolithon sp. Asterias rubens Aurelia aurita (juvs attached to kelp Ascidiella sp. (aspersa or scabra?) Echinus esculentus Kelp stipe species Pollachius sp Hyas araneus	C R O R C C O O O O	Sent.
Seabed cover types (tick all Kelp forest  Kelp park  Mixed seaweeds	What marine life did you see those present)  Animal turf on rocks  Short  Tall  Animal Beds (e.g. mussels, brittlestars, scallops - state which)	Species you saw Show abundance of each species Occasional, Common, or if you're unsu  Species Laminaria Hyperborea Calliostoma zizyphinum Necora puber Stauromedusae sp. Lithothamnion sp/ Phymatolithon sp. Asterias rubens Aurelia aurita (juvs attached to kelp Ascidiella sp. (aspersa or scabra?) Echinus esculentus Kelp stipe species Pollachius sp Hyas araneus Halidrys siliquosa	C R O R O C O C O	
Seabed cover types (tick all Kelp forest  Kelp park  Mixed seaweeds  Seagrass Bed	What marine life did you see those present)  Animal turf on rocks  Short  Tall  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Sediment with life apparent	Species you saw Show abundance of each species Occasional Common, or if you're unsu  Species Laminaria Hyperborea Calliostoma zizyphinum Necora puber Stauromedusae sp. Lithothamnion sp/ Phymatolithon sp Asterias rubens Aurelia aurita (juvs attached to kelp Ascidiella sp. (aspersa or scabra?) Echinus esculentus Kelp stipe species Pollachius sp Hyas araneus Halidrys siliquosa Ensis siliqua (\$\$\talk{L}(\(\frac{L}{L})\))	C R O R C C O O C C O O C C	
Seabed cover types (tick all Kelp forest  Kelp park  Mixed seaweeds	What marine life did you see those present)  Animal turf on rocks  Short  Tall  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Sediment with life apparent	Species you saw Show abundance of each species Occasional, Common, or if you're unsu  Species Laminaria Hyperborea Calliostoma zizyphinum Necora puber Stauromedusae sp. Lithothamnion sp/ Phymatolithon sp. Asterias rubens Aurelia aurita (juvs attached to kelp Ascidiella sp. (aspersa or scabra?) Echinus esculentus Kelp stipe species Pollachius sp Hyas araneus Halidrys siliquosa Ensis siliqua (shells) Colonial sea squirt - pale blue (pho	C R O R C O O C C tos) O	
Seabed cover types (tick all Kelp forest  Kelp park  Mixed seaweeds  Seagrass Bed	What marine life did you see those present)  Animal turf on rocks  Short  Tall  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Sediment with life apparent (tubes, burrows etc)	Species you saw Show abundance of each species Occasional Common or if you're unsu  Species Laminaria Hyperborea Calliostoma zizyphinum Necora puber Stauromedusae sp. Lithothamnion sp/ Phymatolithon sp. Asterias rubens Aurelia aurita (juvs attached to kelp Ascidiella sp. (aspersa or scabra?) Echinus esculentus Kelp stipe species Pollachius sp Hyas araneus Halidrys siliquosa Ensis siliqua (\$\$\tau()\$) Colonial sea squirt - pale blue (pho-	C R O R C C O O C C O O C C	
Seabed cover types (tick all Kelp forest  Kelp park  Mixed seaweeds  Seagrass Bed  Encrusting pink algae	What marine life did you see those present)  Animal turf on rocks  Short  Tall  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Sediment with life apparent (tubes, burrows etc)  Barren sediment	Species you saw Show abundance of each species Occasional, Common, or if you're unsu  Species Laminaria Hyperborea Calliostoma zizyphinum Necora puber Stauromedusae sp. Lithothamnion sp/ Phymatolithon sp. Asterias rubens Aurelia aurita (juvs attached to kelp Ascidiella sp. (aspersa or scabra?) Echinus esculentus Kelp stipe species Pollachius sp Hyas araneus Halidrys siliquosa Ensis siliqua (shells) Colonial sea squirt - pale blue (pho Helcion pellucidum Cancer pagurus	CRORCOOCOCOOCOCOS)O	
Seabed cover types (tick all Kelp forest  Kelp park  Mixed seaweeds  Seagrass Bed	What marine life did you see those present)  Animal turf on rocks  Short  Tall  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Sediment with life apparent (tubes, burrows etc)	Species you saw Show abundance of each species Occasional, Common, or if you're unsu  Species Laminaria Hyperborea Calliostoma zizyphinum Necora puber Stauromedusae sp. Lithothamnion sp/ Phymatolithon sp. Asterias rubens Aurelia aurita (juvs attached to kelp Ascidiella sp. (aspersa or scabra?) Echinus esculentus Kelp stipe species Pollachius sp Hyas araneus Halidrys siliquosa Ensis siliqua (shells) Colonial sea squirt - pale blue (pho Helcion pellucidum Cancer pagurus	CRORCOOCOCOOCOCOS)O	

Illustrations by Bob Foster-Smith

Dive 1		
Species cont.		
Clear, fairly flat sponge/compound (?) squirt? Attached to kelp in various of my pictures. Transparent with inlets/outlets.  Nucella lapillus (Dog Whelk)?? - this is the tiny wee stripy shells kelp in my photos  Lacuna Vincea  Ludia ciliaris	O s on the	O R
Pagurus bernhadus	0	• •
Marthasterias glacialis		0
Cerianthus lloydii Macropodia sp.		0
Pollachius sp. (probably pollachius)		R R

23/09/2018

SW18-125 @10

### Thank you for completing this form

Please save the form, then email it to one of the following people:

- · the Seasearch coordinator for the area where the dive took place
- · the dive organiser
- the National Seasearch Coordinator at info@seasearch.org.uk

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. It will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public. If you do not agree with this use of the data do not submit the form.

for Seasearch use only	validated by	ep	date	6/11/18
	entered by		date	
	MarRec No			in the second se

Seasearch Marine Conservation Society Over Ross House, Ross Park Ross- on- Wye Herefordshire HR9 7QQ



Seasearch is a joint project co-ordinated by the Marine Conservation Society and supported by: The Wildlife Trusts, Natural England, Countryside Council for Wales, Scottish Natural Heritage, DOE Northern Ireland, Joint Nature Conservation Committee, Environment Agency, Marine Biological Association, British Sub-Aqua Club, Professional Association of Diving Instructors, Scottish Sub-Aqua Club, Sub-Aqua Association, Irish Underwater Council and the Nautical Archaeology Society.

## Seasearch Observation Form



This form asks for two types of information from your dive - what the seabed was like and what marine life you saw. Please read the guidance notes before completing the form. By completing this form you will be adding to our knowledge of the marine environment - helping it to remain fit for life!

•	
-	

Data of Dive

22/00/2018

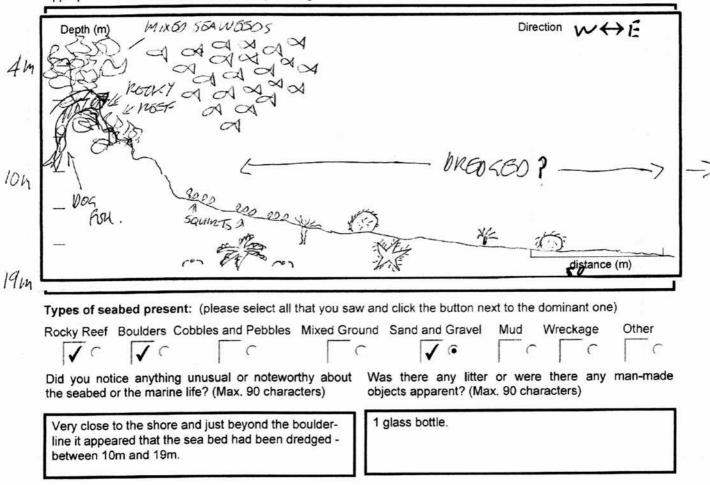
	Dute of Dive	
Ard-na-goine Start of dive 12:1		
	Dive duration 39 (mins)	
General Location (inc county)	Max depth of survey 19 m	
N of Tanera More Anchorage Summer Isles	Sea Temperature //-94%, °C	
Highland Region	U/W visibility 10 m	
Position at start of dive (degrees & decimal minute	only) or OS Grid Reference	
58 00.963 N 05 23.699	W	
Position at end of dive (if different only)	2 letters (1 in freland), 6 numbers	
" N " "	W _	
Position derived from (select one)  GPS Chart OS Map  Web mapping site	Drift dive?	
Did you take any photographs? ✓ or	video footage? 🗸	

SO digital v2.1 160210

Site Name

58

Please insert 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**.



### What marine life did you see on your dive?

Seabed cover types (tick all th	ose present)	Species you saw		
Kelp forest	Animal turf on rocks	Show abundance of each species Occasional, Common, or if you're uns	, 00	Rare, esent.
	Short	Species	1	R.O.Cor
	F. 22 - 3	Inachus sp.	0	U
A RESTOR		Subentes camosus	R	1
(elp park	Tall	Corella parallelogramma	0	U
7	Steen with the same	Ascidiella aspersa	C	V
de la calla		Botryllus Schlosserei	0	V
Section Off	Animal Bada	Cerianthus Iloydii	CAY	V
ixed	Animal Beds (e.g. mussels, brittlestars,	Nemertesia antenniana	0	V
eaweeds 4	scallops - state which)	Marthasterias glacialis	0	U
7		Echinus esculentus	0	V
The state of the s		Pollachlus virens	C	V
2 2 2 ,	THE PARTY OF THE P	Lanice conchileya	0	V
eagrass Bed	Sediment with life apparent	Pagurus bernhardus	0	V
and the second	(tubes, burrows etc)	Cancer pagurus	0	V
(1)为2011周2011年6月11日(	(10200, 20110110 010)	Liocarcinus depurator	0	V
ncrusting pink algae	/	Decorator crab?	0	V
7		Luidia Sarsi	R	IX
	B	Asterias Rubens	R	17
ther energy	Barren sediment (no life or structures apparent)	Porania pulvillus	0	V
ther - specify	(no me or structures apparent)	Pollachius virens	C	U
		Suberites sp. (on Hermit Crab she		IN

### Seasearch - Reiff - Hilary Mackay + David Moore -

### 22/09/2018

### Species cont.

Liocarcinus depurator	0
Antedon bifida	0
Ascidiella aspersa	0
Aequipecten opercularis	R
Munida rugosa	R
Pecten maximus	R
Pomatoceros sp.	0
Laminaria Hyperborea	0

All that's left for you to do is to either hand it to the Dive Organiser or fold it into thirds along the dotted lines, tuck one part into the other, add a stamp and send it off.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. It will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public. If you do not agree with this use of the data do not submit the form.

for Seasearch use only	validated by	0.0	date	30/10/18
	entered by		date	
	MarRec No			

rst fold

Please affix stamp here

Seasearch Marine Conservation Society Over Ross House, Ross Park Ross-on-Wye Herefordshire HR9 7QQ

second fold and tuck in



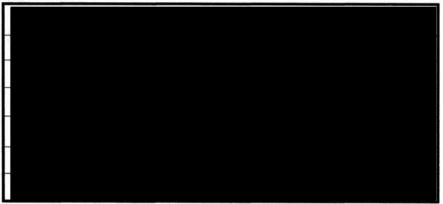
Seasearch is a joint project co-ordinated by the Marine Conservation Society and supported by: The Wildlife Trusts, Natural England, Countryside Council for Wales, Scottish Natural Heritage, DOE Northern Ireland, Joint Nature Conservation Committee, Environment Agency, Marine Biological Association, British Sub-Aqua Club, Professional Association of Diving Instructors, Scottish Sub-Aqua Club, Sub-Aqua Association, Irish Underwater Council and the Nautical Archaeology Society.

# Seasearch Observation Form



This form asks for two types of information from your dive - what the seabed was like and what marine life you saw. Please read the guidance notes before completing the form. By completing this form you will be adding to our knowledge of the marine environment - helping it to remain fit for life!

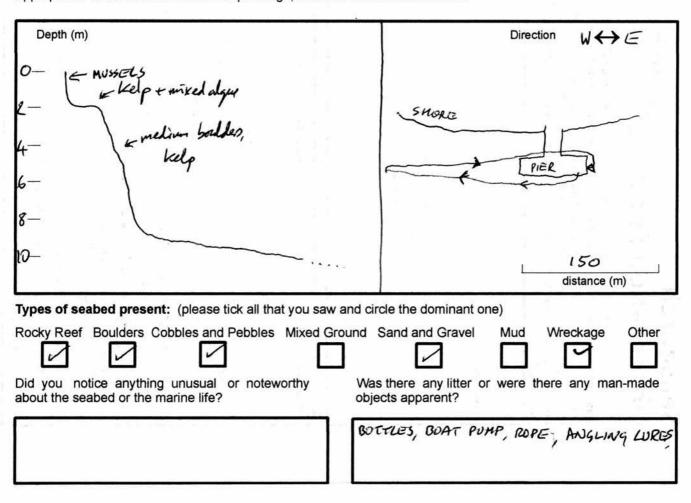
Please complete the following sections in a black pen and BLOCK CAPITALS



Site Name BADENTARBAT	Date of Dive 28 1 9 1 18
PIER	Start of dive \[\!\:\!\!\\:\!\!\!\!\\\\\\\\\\\\\\\\\\
	Dive duration 52 (mins)
General Location	Max depth of survey 9 m
(inc county) ACHILTIBUIE,	Sea Temperature 12 °C
HIGHLAND REGION	U/W visibility (5 m
Position at start of dive (degrees & decimal min	
58 0 01 767 N 05 0 22 .4	
Position at end of dive (if different only	
0 . N 0 .	W or E
Position derived from (circle) GPS Chart OS Map Web mapping si	Drift dive? yes (no ite Night dive? yes (no
Did you take any photographs? (ves)/	no or video footage? (yes)/ no

#### 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.



### What marine life did you see on your dive?

## Animal turf on rocks Kelp forest

## Kelp park

Seabed cover types (tick all those present)



Seagrass	s Bed

Encrusting pink algae Other - specify



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



Sediment with life apparent (tubes, burrows etc)



**Barren sediment** (no life or structures apparent)



Illustrations by Bob Foster-Smith

### Species you saw

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

Species	R, O, C or P
MYTILUS COULIS	0
LUIDIA CILIARIS	0
HYAS ARANEUS	R
CALLIDSTOMA ZIZYAHINUM	0
GIBBULA UMBILICALIS	0
GIBBULA CINEREA	0
MEMBRANIPORA MEMBRANALEA	c
ELECTRA PILOSA	C
ULVA LACTICA	C
VLVA INTESTINALLS	0
PORPHYRA HAGHETSALTS SPP.	0
LACUNA VINCTA	0
PHYLLOPHORA CRISPA	0
PLOCAMIUM CARTILAGINEUM	R
OBELIA GENICULATA	0
CELLARIA FITULOSA SP	0
PALMARIA PALMATA	C
METRIDIUM SENILE	R
CARYOPHYLLIA SMITHII	0
BOXRYLLUS SCULOSSERI	0

All that's left for you to do is to either hand it to the Dive Organiser or fold it into thirds along the dotted lines, tuck one part into the other, add a stamp and send it off.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. It will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public. If you do not agree with this use of the data do not submit the form.

for Seasearch use only	validated by	OP	٠.	date	301 100/4
	entered by	ġ.		date	
	MarRec No		*	-	

Please affix stamp here

Seasearch Marine Conservation Society Over Ross House, Ross Park Ross-on-Wye Herefordshire HR9 7QQ

second fold and tuck in



Seasearch is a joint project co-ordinated by the Marine Conservation Society and supported by: The Wildlife Trusts, Natural England, Countryside Council for Wales, Scottish Natural Hentage, DOE Northern Ireland, Joint Nature Conservation Committee, Environment Agency, Marine Biological Association, British Sub-Aqua Club, Professional Association of Diving Instructors, Scottish Sub-Aqua Club, Sub-Aqua Association, Irish Underwater Council and the Nautical Archaeology Society.

# Seasearch Observation Form



This form asks for two types of information from your dive - what the seabed was like and what marine life you saw. Please read the guidance notes before completing the form. By completing this form you will be adding to our knowledge of the marine environment - helping it to remain fit for life!

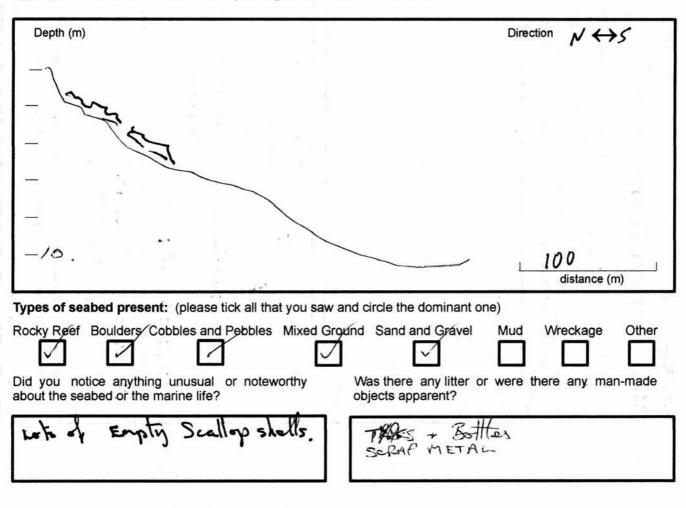
Please complete the following sections in a black pen and BLOCK CAPITALS

		_
		_
		_

Site Name  BARDEN - TARBAT.	Date of Dive 2819118			
BARDEN - THREAT.	Start of dive // : 29 (24hr)			
) <del>-4-=</del> (	Dive duration 44 (mins)			
General Location ACHILTIBULE (inc county)	Max depth of survey /o , 3 m			
WESTER ROSS.	Sea Temperature / / °C			
HIGHLAND REGION	Ú/W visibility 15 m			
Position at start of dive (degrees & decimal minu	ntes only) or OS Grid Reference			
58 0 01 .767 N 05 0 22 .46	<b>74 ⊘</b> or E			
Position at end of dive (if different only)	2 letters (1 in Ireland), 6 numbers			
0 . N 0 .	WorE			
Position derived from (circle) GPS Chart OS Map Web mapping site	Drift dive? yes. / no e Night dive? yes. / no			
Did you take any photographs? yes /~	no or video footage? yes / no			

#### 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.



Wh	iat marine life did you s	ee on your dive?	
Seabed cover types (tick all those  Kelp forest	present)  Animal turf on rocks	Species you saw Show abundance of each species as Occasional, Common, or if you're unsure, P	
	Short	Species MACROPODIA SP	R, O, C or P
Kelp park	Tall	ASCIDIELLA ASPERSA.	00
	The second second	ARQUIPECTEN OPERCULART	0
	Commercial (1997)	NECORA PABER.	9
Mined	Animal Beds	ASTERIAS RUBENS	0
Mixed seaweeds	(e.g. mussels, brittlestars,	OPHILLA	
	scallops - state which)	ECHIMUS ESCULENTUS	٥
	QUEEN SCANTORS	ASCIDIA VIRGINEA.	0
Seagrass Bed	A STATE OF THE STA		
of flores	Sediment with life apparent (tubes, burrows etc)		3.45
Encrusting pink algae			
	Barren sediment		
Other - specify	(no life or structures apparent)		

## SEASEARCH SURVEY FORM

Form No (leave blank) [SW18-12]

<ul> <li>If anything is unclear</li> </ul>	please refer to the	Guidance	Notes
--	---------------------	----------	-------

· Each pair of divers should complete a form between them

Please complete all parts of the form. Where there is a \* only fill in the information if you know it.

	accareh
se	asearcn
大	www.seasearch.org.uk

Validated by 0.	Date 3J/	Entered by		Date MR Reference	
Recorder leave blank	- for Seasearch use				
our details				100-100	
C					
Dive/Site detail	salara a	BATTO PIECE	lenterbat	Date of dive: 28 dd / O	mm/\8 yy
Coneral location	P. L. W. A.	K Rus	Pur	Start of dive: 11: 1	
General location	Dadenturpo	u Dag			q (mins)
	Wester Russ.	it Bay ie Highland Re	gran	Sea temperature:	12°c
		state if in any other form		Underwater visibility:	15 m
1 comon (acgree	Latitude	Longitude	WorE	Drift dive?	. <del>yes</del> / no
Centre of site	58° 01.764	05° 22.484	W	Night dive?	<b>y9e</b> -/ no
For drift dives From	0 .	0 .		Did you or your buddy take a	(yes) no
Or OS Grid Refe		GPS Datus	m (circle)	video footage specimens seaweeds for pressing	yes (no yes /no
GP\$ Chart  Exposure of site mod exposed  Max tidal stream  >6kt 3-6	shettered vs	v exposed ext shelf	osgessed tered eak	For the area surveyed, what the shallowest depth? (m) the deepest depth? (m) Tidal correction to chart datu	bsl bcd
Seabed summ	ary				
Summarise: a. at  Disust  forest  hilge	The main features of the site and park, Ch pump	of the site, b. Any un	sand a ue, La	res or species, c. Any human a med scattered birds	less lielp

### **Habitat descriptions**

Complete a box below for each habitat you found on your dive. Normally the shallowest habitat is No. 1 even if you have done the dive deepest first. Each written description should tally with the information entered in the columns and diagrams on the next page. If you found more than 3 habitats, continue your descriptions on another form. Tick boxes where shown, and insert percentages (they must add up to 100%) or assign a score from 1-5 as appropriate. If you are uncertain leave the box blank. The biotope code will be assigned later from your description.

1. DESCRIPTION (ph	ysical + community)		
Old pier h	ish kelp and Myris	lus musses	ls .
,	, , , , , , , , , , , , , , , , , , ,	<i>di</i> 7,000 · 0	
•			
		Biotope Code	
Seabed type: rock be	oulders cohbles nebbles	arayel sand	mud wreckage other old Pres
	PACELLES STORY CANADA	500 V	
	t kelp park mixed seawee	eds seagrass	
animal turf	animal bed		sediment with life barren sediment
2. DESCRIPTION (phy	ysical + community)		
	scurred help		
300.00	reg		
		Biotope Code	
			7 0 0 0
10/27/2003	oulders cobbles pebbles	S. Carrier	
Communities: kelp forest	kelp park mixed seawee	ds seagrass	bed enc pink algae
animal turf	animal bed		sediment with life barren sediment
3. DESCRIPTION (ph)	vsical + community)		. 1. 1
	enteres a second		
M 7 M 15 NS N - 1			
***************************************		Biotope Code	
Seabed type: rock box	ulders cobbles pebbles g	gravel sand	mud wreckage other
Communities: kelp forest	kelp park mixed seaweed	ds seagrass	bed enc pink algae
animal turf	animal bed		sediment with life barren sediment

T	2	3	The state of the s
	m		DEPTH LIMITS
Т			Upper (from sea level) (i.e. minimum)
		Lucia II	Lower (from sea level) (i.e. maximum)
			Upper (from chart datum) *
$\top$			Lower (from chart datum) *

	%		SUBSTRATUM
			Bedrock type?:
			Boulders - very large > 1.0 m
			- large 0.5 - 1.0 m
			- small 0.25 - 0.5 m
			Cobbles (fist - head size)
			Pebbles (50p - fist size)
-			Gravel - stone
	20		- shell fragments
	20		Sand - coarse
	200		- medium
	t		- fine
			Mud
			Shells (empty - or as large pieces)
			Shells (living - eg mussels, limpets)
1.0			Artificial - metal
			- concrete
HO			- wood
			Other (state)
100	100	100	Total

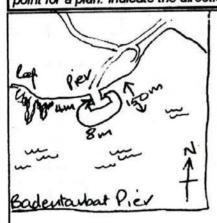
1	2	3	V-10	1 / 1 × 10
	1-5		FEATURES - ROC	K (all categories)
			Relief of habitat	(even - rugged)
			Texture	(smooth - pitted)
-			Stability	(stable - mobile)
			Scour	(none - scoured)
			Sitt	(none - silted)
			Fissures > 10 mm	(none - many)
			Crevices < 10 mm	(none - many)
			Boulder/cobble/pet	oble shape (rounded - angular)
			Sediment on rock?	(tick if present)

1	FEATURES - SEDIMENT (1)
	Mounds / casts
	Burrows / holes
	Waves (>10 cm high)
	Ripples (< 10 cm high)
	Subsurface coarse layer?
	Subsurface anoxic (black) layer?

1-5	FEATURES - SEDIMENT (2)
11-	Firmness (firm - soft)
2-	Stability (stable - mobile)
10	Sorting (well - poor)

Sketches and plans

Draw a profile and/or plan of the sea bed you encountered on your dive in the space below. Mark (& number) the different habitats, corresponding to the written descriptions on p.2. Indicate conspicuous and/or characteristic species. Make sure you include depth(s) (vertical axis) and a distance scale (horizontal axis) for a profile and scale and north point for a plan. Indicate the direction of the profile or plan and the direction of any current.



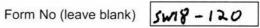
Score the abundance of each group of animals and plants in each habitat alongside the name. In the blank spaces list the seaweeds & animals which you were able to identify positively from the different habitats. Use latin names if possible, but if you don't know them, common or descriptive names are acceptable. If you are not 100% sure about any, add a question mark. Do not enter names as guesses - it's better to exclude them than to include incorrect identifications. Give abundances in the columns: Super abundant, Abundant, Common, Frequent, Occasional & Rare. If you did not note abundances, simply enter a P for Present. Continue on a separate sheet, if necessary. If you have a photograph of the species tick the ph column.

	Pér	Parat	Sand			1.4	Prix	sund	
The Committee Co	ph	1.	2	3	The Season of the Control of the Con	ph	1 1 30	2	3
sponges					echinoderms				
					Manhanenenghanah			1	
					Astens mbens		0	F	
					Formy excelences		10	0	
	1				Asiacas ( a constitution		-	-	-
	-				BANNUS Sp.	. 7	_	-	$\vdash$
	+-	-			paragnos Sp.	V	ő	-	$\vdash$
	-	$\vdash$			Henness St	-	R	_	$\vdash$
cnidarians: hydroids, anemones, corals,					sea squirts	-			-
Carrioletter Smether		R						2	
M. V.		_	_		Asudylla esperse:	-	0		-
Milnelsum serile	~	R			Doldsoma Sp	-			<u> </u>
141101X 10(14141014)	-				Diplosoma SP	V	R		_
Calvadosia campanulata	V	R							
cerranthus doydu	-		0			_			_
					fishes				
					Comples chi street property		12	0	Č.,
		-			Comprising our primes		0		
worms				-	Pollarhiels pollarhus		F		
Keel wome	1				PMuhus viens		F		
Charles and a second	$\vdash$	_	~		Communication of the control of the				-
Chaesophenes variagedatus		$\overline{}$	0						
Chance sp	~	-	1					-	_
crustaceans					seaweeds				
Nerma puber			0		Laminuma hyperbores		<	0	
Galushew Cinuxa			0		Sachama Curs me		0	0	
Canux pagunes			F		Fucus senams		C		
Minedy messa			-		Drises camera			0	
Marmorded SI.			0		Suchenza polyschides		C	6	
	$\vdash$		R		energy prod		c	c	
Pagynes bemburilus	$\vdash$	-	2		Bretaning pro		P		-
agrinis ocurinius	$\vdash$					~		. 2	_
Panelyhed montagei	$\vdash$		0		Ma sp 3	-		0	-
molluscs Po	$\vdash$	-	^					-	-
Iledyn maximus.									
Grand maximus.			R						
Mystus estulis			DI						
MMANUS CALVELO		A							
, , , , , , , , , , , , , , , , , , , ,					other or continuations				
					Proce cucios properture			4	
					Kamuell' co		A		ere-
pryozoans ,					Caner Maeras		O	0	
renesing from Linguistons SE Serreportellance tenting SE Nembraniperi menthamaria		0			K YE				
Scriping King Lehrens co		Ü							
Nembramoen menthamen		0	- 1						
THE STATE OF THE PARTY OF THE P		Ť							
						1		1000	1

Once completed return the form to the Dive Organiser or to Seasearch. Marine Conservation Society, Over Ross House, Ross Park, Ross-on-Wye, Herefordshire, HR9 7QQ.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. They will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public through the Seasearch and NBN websites. If you do not agree with this use of the data do not submit the form.

### **SEASEARCH**



•	If anything is uncle	ar please refer	to the	<b>Guidance Notes</b>
---	----------------------	-----------------	--------	-----------------------

- · Each pair of divers shoul
- Please complete all parts only fill in the information

Validated by 0.6

H SURVEY FORM		-6
ase refer to the <b>Guidance Notes</b> Id complete a form between them as of the form. Where there is a * a if you know it.		seasearch.org.uk
Date 3010118 Entered by	Date	MR Reference

Recorder leave blank - for	Seasearch use				*	
Your details						
L						
<i>A</i>						
F						
Dive/Site details						
Site name Wasvel	Brutyane	<u>.                                      </u>			Date of dive: 27 dd / 09 mm /	2018 yy
General location Euro  Location Hay	rd Snuh	Lago	idh nan	ins	Start of dive: 15: 3H	(24hr)
Lor	4 Brown	0			Dive duration: 51	
Hzg	rhland Re	yri	n		Sea temperature:	12°c
Position (degrees and	decimal minutes -	state if	in any other for	rmat)	Underwater visibility:	/ // m
	Latitude	L	ongitude	W or E	Drift dive?	yes / nd
Centre of site		0	970 60 271		Night dive?	yes / no
For drift dives	o 52 674	050	12 773	w	Did you or your buddy take any of th	e following?
TO 57	52.67 52.65H	10	12 :21	1./	photographs	(Ses)/no
		0)	17.130	7	video footage	yes / no
Or OS Grid Reference			186 No. 6 187 No. 2 2 1977	]	specimens	yes / no
Position derived from: (circle) GPS Datum (circle)					seaweeds for pressing	yes / no
GPS Chart OS r	map Web ma	apping	WGS84	OSGB36		
Exposure of site: extr					For the area surveyed, what was	
mod exposed s	heltered v sl	neltere	d ext shel	ltered	, , , ,	oslbcd
Max tidal stream:			$\Box$			slbcd
>6kt - 3-6kt	1-3kt 🖳	<1kt	v. we	eak 🖳	Tidal correction to chart datum	m*

### Seabed summary

Summarise: a. The main features of the site, b. Any unusual features or species, c. Any human activities at the site	
Mediclus in shallower nuter, extensive flame shells hand at 10m. Bout-yand in 5 hore,	bulled
bond at 10m. Bont-gard in shore,	un a

### **Habitat descriptions**

Complete a box below for each **habitat** you found on your dive. Normally the shallowest habitat is No. 1 even if you have done the dive deepest first. Each written description should tally with the information entered in the columns and diagrams on the next page. If you found more than 3 habitats, continue your descriptions on another form. Tick boxes where shown, and insert percentages (they must add up to 100%) or assign a score from 1-5 as appropriate. If you are uncertain leave the box blank. The biotope code will be assigned later from your description.

1. DESCRIPTION (physical + community)  Sandand gravel with massimal builders. Morlibus in 3 - 6 metres,
Sandand gravel with arassimal builders, Marlielus in 3 - 6 metres, Flame Shells common in a band at 10 m.
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae
animal turf animal bed www. sediment with life barren sediment
2. DESCRIPTION (physical + community)
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae
animal turf animal bed sediment with life barren sediment
3. DESCRIPTION (physical + community)
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae sament with life barren sediment

1	2	3	
	m		DEPTH LIMITS
ı			Upper (from sea level) (i.e. minimum)
10.			Lower (from sea level) (i.e. maximum)
N.			Upper (from chart datum) *
			Lower (from chart datum) *

	%		SUBSTRATUM
			Bedrock type?:
			Boulders - very large > 1.0 m
10			- large 0.5 - 1.0 m
W			- small 0.25 - 0.5 m
^			Cobbles (fist - head size)
10			Pebbles (50p - fist size)
11)			Gravel - stone
10			- shell fragments
30			Sand - coarse
			- medium
			- fine
		1	Mud
10			Shells (empty - or as large pieces)
0			Shells (living - eg mussels, limpets)
			Artificial - metal
			- concrete
			- wood
10			Other (state) Limited neil3
100	100	100	Total

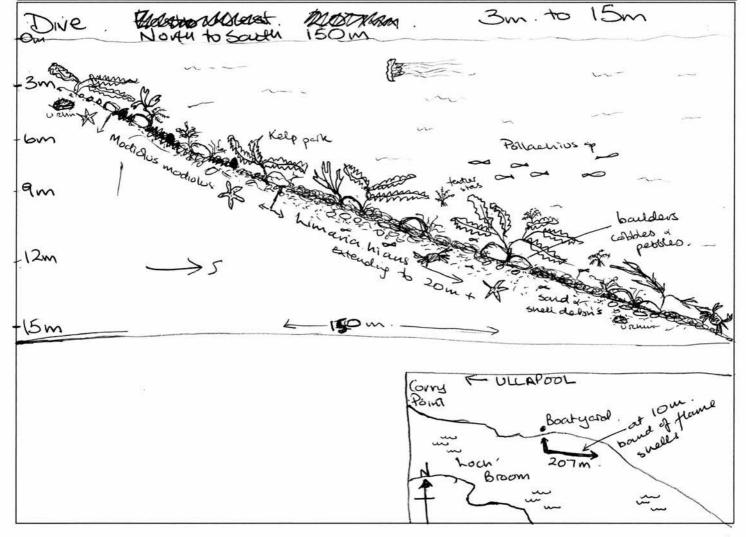
1	2	3	
	1-5		FEATURES - ROCK (all categories)
			Relief of habitat (even - rugged)
		į.	Texture (smooth - pitted)
			Stability (stable - mobile)
			Scour (none - scoured)
			Silt (none - silted)
			Fissures > 10 mm (none - many)
			Crevices < 10 mm (none - many)
			Boulder/cobble/pebble shape
			(rounded - angular)
			Sediment on rock? (tick if present)

✓	FEATURES - SEDIMENT (1)
SA	Mounds / casts
	Burrows / holes
	Waves (>10 cm high)
	Ripples (< 10 cm high)
	Subsurface coarse layer?
	Subsurface anoxic (black) layer?

1-5	FEATURES – SEDIMENT (2)	
L	Firmness (firm - soft)	
2	Stability (stable - mobile)	
H	Sorting (well - poor)	

### Sketches and plans

Draw a **profile and/or plan** of the sea bed you encountered on your dive in the space below. Mark (& number) the different habitats, corresponding to the written descriptions on p.2. Indicate conspicuous and/or characteristic species. Make sure you include **depth(s)** (vertical axis) and a **distance** scale (horizontal axis) for a profile and scale and north point for a plan. Indicate the direction of the profile or plan and the direction of any current.



### **Species List**

Score the abundance of each group of animals and plants **in each habitat** alongside the name. In the blank spaces list the seaweeds & animals which you were able to identify **positively** from the different habitats. Use latin names if possible, but if you don't know them, common or descriptive names are acceptable. If you are not 100% sure about any, add a question mark. Do not enter names as guesses - it's better to exclude them than to include incorrect identifications. Give abundances in the columns: **Super abundant**, **Abundant**, **Common**, **Frequent**, **Occasional** & **Rare**. If you did not note abundances, simply enter a **P** for Present. Continue on a separate sheet, if necessary. If you have a photograph of the species tick the **ph** column.

ph	1	2	3		ph	1	2	3
				echinoderms				
				A Me Sen brindy		C		
				Andeden Ochrus		1		
				Astenso makins		F		
				E. A Cl. Manuar		E		
+			_	My Anna Schemas		1		1
+			_	Manting guille		19		
-				185 ropenen preguun				-
-				Toruna Pupitius				-
-				Ophung albudu				-
				CM35anon pappesus		0		_
				sea squirts				_
	2			Asculella aspersa		0		
	0			Costella parallelparamus	V	R		
	a			Asiachus varunes				
				Coolin Qualiterrain and				
1	-			covering furning		~		
+			_					-
+			-		_			-
1			-	fishes				-
-				usnes .		-		-
-				Walpun pollenhour				_
				P. Machurs, virens				
				Gadus meshere Gervende		F		
	F			Pemalos highes prins		0		
	0			1				
			-	seaweeds				$\vdash$
-	^					-		<del>                                     </del>
-			-	Laminana rypersone	J			-
-			_	Sayranna Cagusma		-		-
				Halyons 5 Miguesa				_
/	R			Margaret -				
V	0			Friendly pul		F		
/	C			. ,				
	1							
1 "	72							
1	F			7				
-	/		_	-				A
-			_					
-	$\sim$		_	,		-	-	
	0			<u> </u>	-			
V	PP							
				Myrdus edulis (in rige)				
	F			120 (Mayer mumpel)		P		
				Perten muxmus		0		
				1 mailining 61				
				Reum mash ened makeuns		F=		
1				Company bound		R		
								1
				Call wall and and		17		
				Samme shinus inviens (mythold pruni Ophlund of hund Of himmed nagry Continue on a separate sheet if you n		0		
	ph				echinoderms  A Medin befild  A Medin befild  A Medin befild  A Medin befild  A Strong Manual  Manual Parallel Manual  Astropeden weighted  Ophura albude  Cristia paperial  Ophura albude  Cristia paperial  Ocitale asperial  Ocitale parallel asperial  Ocitale parallel asperial  Ocitale parallel asperial  Ocitale parallel asperial  Ender my manual  Formation my manual  Formation my my manual  Formation my my manual  Cristian asperial  Ocitale parallel asperial  Astrophy with priving  Formation my my my manual  Formation my my manual  Color of continuations  A My	echinoderms  A Median Detrois  A Median Potrois  Beautiful Potrois  A Median Potrois	echinoderms A Median behodu  A Median Pelipus  I Michan Pelipus  I Stand Mahan  Restroyen  Restroyen	echinoderms  A Median behida  A Median playues  Asterna Munitary  Echinous establinates  Mintranian alterna  Ophuna alterna  Ocitalia approse  Sea squiris  Astrolubla approse  Ocitalia qualificationama  Ocitalia qualificat

Once completed return the form to the Dive Organiser or to Seasearch, Marine Conservation Society, Over Ross House, Ross Park, Ross-on-Wye, Herefordshire, HR9 7QQ.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. They will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public through the Seasearch and NBN websites. If you do not agree with this use of the data do not submit the form.

### SEASEARCH SURVEY FORM

Form No (leave blank

		110
)	KW18-	119
,	- 0.7-000 CO (10)	

<ul> <li>If anything is unclea</li> </ul>	r please refer to	the Guidance Notes
---	-------------------	--------------------

- · Each pair of divers should complete a form between them
- Please complete all parts of the form. Where there is a \* only fill in the information if you know it.

60	asparch
30	asearch.org.uk
	ununu coacoarch ora uk

Validated by d	.(	Date 30/1	110	Entered by		Date	MR Reference		
Recorder leave blan	k - for Se	easearch use							
Your details									
Dive/Site detai	s								
Site name of	F BOA	tyand, EAS	TO	F CORRY	POINT	Date of dive:	27 dd / 09 mm /	18	уу
General location	NEA	HR ULLAPOO	L, L	OCH BROOM		Start of dive:	15:30	(2	24hr)
	We	stey Rus	,			Dive duration:	48	(n	mins)
	117	ghland				Sea temperate	ure: 12		°c
Position (degree	osition (degrees and decimal minutes – state if in any other format)  Latitude Longitude Ventre of site 57° 52.697 05° 07.303				mat)	Underwater vi	sibility:	7	m
	L	.atitude	1	ongitude	WorE	Drift dive?		yes	-/ no
Centre of site	5 <del>7</del> °	52.697	050	07.303	W	Night dive?		<del>yes</del> -	-/ no
For drift dives						Did you or you	ir buddy take any of the	follow	ving?
From	0	2		140					
То	0	×	0	000		photograpl video foota		$\sim$	no (no
Or OS Grid Ref	erence					specimens	ige		
Position derived	from:	(circle)		GPS Datur	m (circle)	seaweeds	for pressing	•	no
Tour details  Site name OPF BOATYARD, EAST OF CORRY POINT  General location NEAR ULAPOOL, LOCAL BROOM  WESTERMAN  Position (degrees and decimal minutes – state if in any other format)  Latitude Longitude Woo  Centre of site 570 52.697 050 07.303 W  For drift dives  From 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				OSGB36		5		$\overline{}$	
Your details  Site name OFF BORTYARD EAST OF CORRY POINT  General location NEAR ULAPOOL, LOCK BROOM  WUSTER RUS  Latitude Longitude W of Contre of site 570 52.697 050 07.303 W  For drift dives From 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				xposed	For the area s	urveyed, what was			
	_					the shallowes	t depth? (m)	sl	bcd
Position (degrees and decimal minutes – state if in any other format)  Latitude Longitude W  Centre of site 570 52.697 050 07.303 W  For drift dives From 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				the deepest d	epth? (m) 21 bs	sl	bcd		
>6kt 3-6	kt 🗆	1-3kt	<1k	t v. we	ak	Tidal correction	n to chart datum		m*
Cooked cumm	an,								

### Seabed summary

Summarise: a. The main features of the site, b. Any unusual features or species, c. Any human activities or impacts at the site

Site is a stoping coase randy realed with colles of belop, down to a depth of 19m when the realed stopes more stoppy down, is ferred of bouldes with colles and a deserbed of flore shells (Limoria linans).

### **Habitat descriptions**

Complete a box below for each **habitat** you found on your dive. Normally the shallowest habitat is No. 1 even if you have done the dive deepest first. Each written description should tally with the information entered in the columns and diagrams on the next page. If you found more than 3 habitats, continue your descriptions on another form. Tick boxes where shown, and insert percentages (they must add up to 100%) or assign a score from 1-5 as appropriate. If you are uncertain leave the box blank. The biotope code will be assigned later from your description.

are uncertain leave the box blank. The biologic code will be assigned later from your description.
1. DESCRIPTION (physical + community)
Gently stoping sandy readed from O to 19 metres. Sparse help on colles, carpet of
planentous algue in patches on sand
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other SHELL DEBRIS
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae
animal turf animal bed sediment with life 📝 barren sediment
2. DESCRIPTION (physical + community)
Boulder slove with Alex Mell braguets and some silt (light cocing and
rock surfaces).
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other
Communities: kelp forest kelp park seaweeds seaweeds seagrass bed enc pink algae
animal turf animal bed LIMARIA HIANS sediment with life barren sediment
3. DESCRIPTION (physical + community)
3. DESCRIPTION (physical + community)
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae
animal turf animal bed sediment with life barren sediment

1	2	2	
	m		DEPTH LIMITS
0	9		Upper (from sea level) (i.e. minimum)
9	>24		Lower (from sea level) (i.e. maximum)
		V	Upper (from chart datum) *
			Lower (from chart datum) *

	%		SUBSTRATUM					
			Bedrock type?:					
			Boulders - very large > 1.0 m					
		15	- large 0.5 - 1.0 m					
		50	- small 0.25 - 0.5 m					
		10	Cobbles (fist - head size)					
10	10 10 10		Pebbles (50p - fist size)					
			Gravel - stone					
5	5	45	- shell fragments					
40	40	640	Sand - coarse					
AD	300	E-40	- medium					
			- fine					
5	8	45	Mud					
		5	Shells (empty - or as large pieces)					
			Shells (living - eg mussels, limpets)					
			Artificial - metal					
			- concrete					
			- wood					
			Other (state)					
100	100	100	Total					

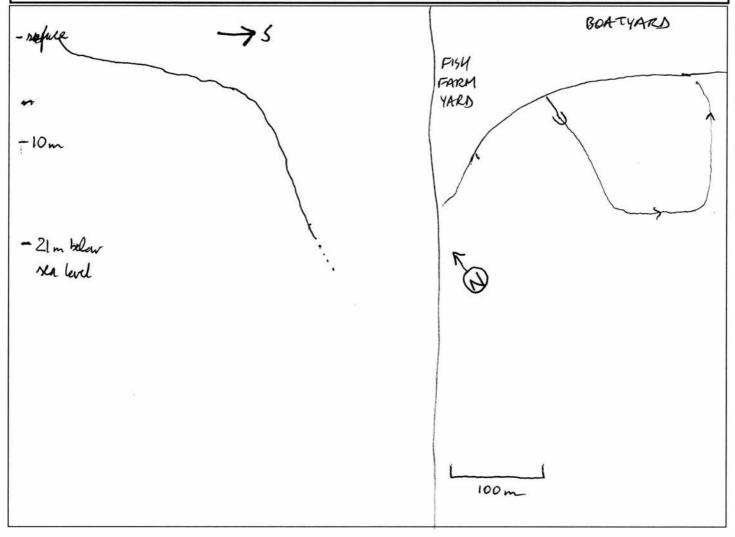
1	2	3		
	1-5		FEATURES - RO	OCK (all categories)
	2		Relief of habitat	(even - rugged)
	ı		Texture	(smooth - pitted)
	2		Stability	(stable - mobile)
	1		Scour	(none - scoured)
	3		Silt	(none - silted)
	4		Fissures > 10 mm	n (none - many)
	2		Crevices < 10 mn	n (none - many)
	4		Boulder/cobble/pe	ebble shape (rounded - angular)
	~		Sediment on rock	(? (tick if present)

<b>✓</b>	FEATURES - SEDIMENT (1)
0	Mounds / casts
0	Burrows / holes
0	Waves (>10 cm high)
0	Ripples (< 10 cm high)
/	Subsurface coarse layer?
_	Subsurface anoxic (black) layer?

1-5	FEATURES – SEDIMENT (2)
2	Firmness (firm - soft)
	Stability (stable - mobile)
	Sorting (well - poor)

### Sketches and plans

Draw a **profile and/or plan** of the sea bed you encountered on your dive in the space below. Mark (& number) the different habitats, corresponding to the written descriptions on p.2. Indicate conspicuous and/or characteristic species. Make sure you include **depth(s)** (vertical axis) and a **distance** scale (horizontal axis) for a profile and scale and north point for a plan. Indicate the direction of the profile or plan and the direction of any current.



#### **Species List**

Score the abundance of each group of animals and plants in each habitat alongside the name. In the blank spaces list the seaweeds & animals which you were able to identify positively from the different habitats. Use latin names if possible, but if you don't know them, common or descriptive names are acceptable. If you are not 100% sure about any, add a question mark. Do not enter names as guesses - it's better to exclude them than to include incorrect identifications. Give abundances in the columns: Super abundant, Abundant, Common, Frequent, Occasional & Rare. If you did not note abundances, simply enter a P for Present. Continue on a separate sheet, if necessary. If you have a photograph of the species tick the ph column.

	ph	1	2	3		ph	1	2	3
sponges					echinoderms				
AMPHILECTIS FUCORUM		R	0		MARTHASTERIAS GLACIALIS	V	0		
		*			ASTROPECTEN IRREGULARIS	~	0		
					ASTERIAS RUBENS	V	F		
					OPHIVRASP.	~	0		
					CROSSASTER PAPPOSUS	1	R		
					SOLASTER ENDECA				
					ANTEDON PETASUS	~	F	F	
					PORANIA PULLILLUS	V	0		
					PSAMMECHINUS MILLIARIS	1	R	R	
cnidarians: hydroids, anemones, corals,					sea squirts				
ALCHONIUM DIGITATUM	V	0							
PLUMULARIA SETACEA	1	0	0						
NEMERTESIA RAMOSA	~	0	C						
TO SET OF THE PROPERTY OF THE					'				
					fishes				
worms									
SPIRORBIS SP.	~	F							
SERPULA VERMICULARIS		0							
POMATOCEROS TRIQUETER	~	F	0						
10									
crustaceans					seaweeds				2
CARCINUS MAENAS	V	F			LAMINARIA HYPERBOLEA	V	C		
CAPRELLA SPP	1	0	0		CHORDA FILLIM	~	-		
MUNIDA RUGOSA	1	0	F		ENCRUSTING RED ALGAE	~	F		
INACHUS SP.	/	0			PINK ENCRUSTING ALGAE	1	F	F	
NECORA PUBER	1	0							
PAGURUS SP.	/	F							
JASSA SP.	V		0						
MACKAPOPIA SP.			R						
molluscs									
LIMARIA HIANS			A						
CULANYS OPERCULARIS		F	1						
PECTEN MAXIMUS	1	0	0						
MODIOLUS MODIOLUS		0	R						
					other or continuations				
					ANTEDON BIFIDA	V	0	0	
					ECHINUS ESCULENTUS	1	F	F	
bryozoans					OPHIOTURIX FRAGILIS	1		O	
					VIII 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
				1	Continue on a separate sheet if you	need to	2		

Once completed return the form to the Dive Organiser or to Seasearch, Marine Conservation Society, Over Ross House, Ross Park, Ross-on-Wye, Herefordshire, HR9 7QQ.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. They will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public through the Seasearch and NBN websites. If you do not agree with this use of the data do not submit the form.

### SEASEARCH SURVEY FORM

Form No (leave blank)

su18-118



<ul> <li>If anything is unclear</li> </ul>	please refer to	the Guidance Notes
--	-----------------	--------------------

- Each pair of divers should complete a form between them
- Please complete all parts of the form. Where there is a \* only fill in the information if you know it.

Validated by		Date		Entered by		Date	MR Reference	
Recorder leave blan	k - for Se	easearch use						
Yo								
N								
A								
Po								
Dive/Site detail	. 1							1.0
		wir Ba	N			Date of dive:	27 dd / 09mm/	18 yy
General location	1 <i>F</i>	Inducari	$\geq$			Start of dive:	12:23	(24hr)
		Wester	· Xer	53		Dive duration:	49	(mins)
		+ world	1110	Person	и	Sea temperati	ure: 12	_ °c
Position (degrees	s and de		state if	n any other for	mat)	Underwater vi	sibility:	m
	L	atitude	L	ongitude	WorE	Drift dive?		yes (no)
Centre of site	0		0			Night dive?		yes (no
For drift dives						Did you or you	ur buddy take any of the	following?
From	57°	55.795	050	11.919	w		25 (25)	
То	57°	55.795 55.814	05°	12.116	W	photograpi	ns	(yes) no
Or OS Grid Refe						video foota	P	yes /no
		(oirele)		CDC Datu	 (-ivala)	specimens		yes /no
Position derived		23 360		GPS Datur	- TO	seaweeds	for pressing	yes (no
GPS Chart	OS ma	ap Web ma	pping	WGS84)	OSGB36		20 20 24	
Exposure of site						l	urveyed, what was	
mod exposed	she	eltered v sh	eltered	ext shelt	ered	l	t depth? (m) 3.5 bsl	
Max tidal stream	ո։					the deepest de	epth? (m) スク bsl	bcd
>6kt 3-6k	<sub>ct</sub>	1-3kt	<1kt	U v. we	ak	Tidal correctio	n to chart datum	m*
Seabed summa	ary							
		in features of	the si	te, b. Any uni	usual featur	es or species, c	. Any human activities or	impacts
	he site	۸	1)	,	1	1.	_	0
a) Boule	levs	in slia	llon	18 (-4	fm) (	cadony t	to coarse same	$\alpha_{1,1,1}$
. H	#.		bol	22 it	· Colo	over	dianuse to	nobili/

Summarise. a. The main leatures of the site, b. Any unusual leatures of species, c. Any numari activities of impacts
at the site
a) Boulders in shallows (-4m) leading to coarse sand with scattered cobbles, with lelp cover. change to mobile/ much plainer sand area (~8m) (not surveyed)  b) 15 spined stickleback, stalked jelly and Jornuna tormentosa.
with scattered cobbles, with kelp cover draws to mobile!
much glainer sand area (~8m) (not surveyed)
b) 15 spined stickleback, stalked jelly and Jonnina tormentosa.
c)

### Habitat descriptions

Complete a box below for each **habitat** you found on your dive. Normally the shallowest habitat is No. 1 even if you have done the dive deepest first. Each written description should tally with the information entered in the columns and diagrams on the next page. If you found more than 3 habitats, continue your descriptions on another form. Tick boxes where shown, and insert percentages (they must add up to 100%) or assign a score from 1-5 as appropriate. If you are uncertain leave the box blank. The biotope code will be assigned later from your description.

1. DESCRIPTION (physical + community)  For large and college hours beldle brade kelp cover	
Foulders and coldes how belde back, kelp cover with mixed red/green algae. Kelp well encurated.	
or a vicial of officers and	
Biotope Code	
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other	
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae enc pink algae	
animal turf animal bed sediment with life barren sediment	
2. DESCRIPTION (physical + community)	
Coarse sand/gravel/sand stope under kelp cours.	
7 0	
Biotope Code	٦
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other	=
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae	
animal turf sediment with life barren sediment	
3. DESCRIPTION (physical + community)	
	i
	Ì
Biotope Code	]
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other	]
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae	2
animal turf sediment with life barren sediment	7

	Qu'	X gov	Ď.	
//	1	2	3	
//		m		DEPTH LIMITS
7	3.5	5.0		Upper (from sea level) (i.e. minimum)
	6.0	7.0		Lower (from sea level) (i.e. maximum)
				Upper (from chart datum) *
				Lower (from chart datum) *
		%		SUBSTRATUM
				Bedrock type?:
	40			Boulders - very large > 1.0 m
	20			- large 0.5 - 1.0 m
	20			- small 0.25 - 0.5 m
	20			Cobbles (fist - head size)
				Pebbles (50p - fist size)
		30		Gravel - stone
		30		- shell fragments
		20		Sand - coarse

Mud

Total

- medium - fine

Artificial - metal - concrete wood Other (state)

Shells (empty - or as large pieces) Shells (living - eg mussels, limpets)

0	1	S
K.	80	
1	2	2

1	2	- 3	
	1-5		FEATURES - ROCK (all categories)
3			Relief of habitat (even - rugged)
2			Texture (smooth - pitted)
_1_			Stability (stable - mobile)
- 1			Scour (none - scoured)
			Silt (none - silted)
3			Fissures > 10 mm (none - many)
3			Crevices < 10 mm (none - many)
2			Boulder/cobble/pebble shape (rounded - angular)
/			Sediment on rock? (tick if present)

1	FEATURES - SEDIMENT (1)
	Mounds / casts
	Burrows / holes
	Waves (>10 cm high)
	Ripples (< 10 cm high)
	Subsurface coarse layer?
	Subsurface anoxic (black) layer?

1-5	FEATURES - SEDIMENT (2)
3	Firmness (firm - soft)
4	Stability (stable - mobile)
3	Sorting (well - poor)

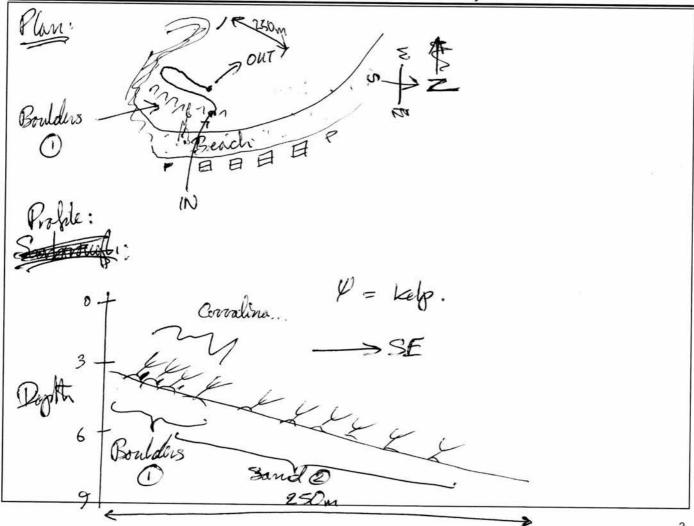
### Sketches and plans

100

100

100

Draw a profile and/or plan of the sea bed you encountered on your dive in the space below. Mark (& number) the different habitats, corresponding to the written descriptions on p.2. Indicate conspicuous and/or characteristic species. Make sure you include depth(s) (vertical axis) and a distance scale (horizontal axis) for a profile and scale and north point for a plan. Indicate the direction of the profile or plan and the direction of any current.



Score the abundance of each group of animals and plants in each habitat alongside the name. In the blank spaces list the seaweeds & animals which you were able to identify positively from the different habitats. Use latin names if possible, but if you don't know them, common or descriptive names are acceptable. If you are not 100% sure about any, add a question mark. Do not enter names as guesses - it's better to exclude them than to include incorrect identifications. Give abundances in the columns: Super abundant, Abundant, Common, Frequent, Occasional & Rare. If you did not note abundances, simply enter a P for Present. Continue on a separate sheet, if necessary. If you have a photograph of the species tick the ph column.

Continue on a separate sheet, il necessa		Vice							
	ph	1	2	3	ROBERT LANGE AND LANGE OF THE PARTY.	ph	1	2	3
sponges					echinoderms ,				
					Actorias vulceus,	1			
	-				Agropeter incoulous	-		0	
	<del>                                     </del>			-	A Property interpress	-		O	_
	-			_	Henrigia sp. 0	1			$\vdash$
	_				with staras algiali	V,	_O_	0	_
					Felimus cocidentes	V	0		
				<u> </u>					
	<u> </u>			_		-			_
	-		_	_					-
cnidarians: hydroids, anemones, corals,	<u> </u>				sea squirts	_	-		<u> </u>
Urticina lelina.	/	0			Ciposome spononom	./	0		
Obelia serviculato		0			Ciposoma spongrom		0		
Declia agriculato Havomedurag sp.	1	0			Desidiella niestala	1	R		
Star Wall Laft	17		B		Boundle Mentus		_		-
yana coppilato	V		0	_	<u> </u>	-			$\vdash$
U DV									_
					fishes	504			
					Pomatodistus sp	./		0	
				_	Tomalogue sus Sp	-	R	-	$\vdash$
					Sprinachia squadua	V	_ K		<u> </u>
vorms	/				andus movina	V,		0	_
Avenigola marina	/		0		Synogratius acus	V.		Ž	
Spalveras so	1	F			Synomathy acus	/		R	
Spirobanichus 8p					9-1-0				
spire brown sp	-								
		-		_					
NA 18 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2					1000000000			_	_
crustaceans					seaweeds				_
Carines macines	<i>i</i> /	0	0		PEAlgae	1	F		
PAMMUS a SD.	1	0	0		Dissa carresa	/	0		
annus sp.	1/	0	1		Chandins arisons	/	0		
de nu ste	1		0		Hilians silvanosa	./	Ĕ		
ionavinus deputtor		~			Sycial of Statement	1	5		_
jectra puber	1	0	0	_	Polypides youndus	-	0	-	
	V	R	R		What sap. 11	1	00	0	
Likropodia sp.	V	0	0		Corralina oficiamalis	/	0		
Mirapodia sp.	/	0			Tueus senatus.	1	Ī		
nolluscs						/	F		
Homacog					Chordin & plum		-		
Facelega.	-	0							
Sibila connersia	V								
Peter maximus	/	0							
ucunu vineta	1	0							
a boute masers	:/	0			other or continuations				
Paradalus so 0 i	./	T)			Jovenna tormentisa	, /	R	ř.	
	7				CONTRACTOR CONTRACTOR	V	_		
zibonda imbilicalis	V	0		<u> </u>					
oryozoans ,									
Electra pilosa	1	0							
Jembranopora membrancea		F							
The state of the s	-								
									_
		1							

Once completed return the form to the Dive Organiser or to Seasearch, Marine Conservation Society, Over Ross House, Ross Park, Ross-on-Wye, Herefordshire, HR9 7QQ.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. They will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public through the Seasearch and NBN websites. If you do not agree with this use of the data do not submit the form.

Form no. (leave blank) SWIY- 117

### SEASEARCH SURVEY FORM

If anything is unclear please refer to the Guidance Notes. Each pair of divers should complete a form between them. Please complete all parts of the form. Where there is a \* fill in the information only if you know it.



	1	^			7887-37	Taki.			
Validated by				<b>(b</b>	Entere	ed by	MR ref.		
	D	ate 30	110119	<b>7</b>		Date	Recorder le	eave blank for S	easearch use
Your details	ľ								
Dive/site de	tails	Ě							
Site name		Ardma	ir Bay				Date of dive	27/09/2018	
General location 4Km NW of Ullapool, Wester Ro			Ross, Highland	Start of dive	12:20	(24hr)			
		Region	n				Dive duration	50	(mins)
							Sea temperature	11	°C
				Address of the Control of the Contro			U/W visibility	6	m
Position		Lati	itude	Lon	gitude	W or E	Drift dive?		
Centre of site	1	۰		۰			Night dive?		
For drift dives				V2			Did you or your buddy take	any of the fo	ollowing?
Fre	om	57 °	55.803	05°	11.914	W	photographs	<b>✓</b>	
	То	57 °	55.781	05 °	12.106	W	video footage		
Or OS Grid R	ef	square	9	E		N	specimens		
Position deriv	ed fi	rom	Admira	Ity cha	rt		seaweeds for pressing		
GPS datum			WGS8	4			For the area surveyed wha	t was	
						_	the shallowest depth (m)?	2 bsl	bcd
Exposure of s			red				the deepest depth (m)?	6 bsl	bcd
Max tidal stre	am	< 1 kt					Tidal correction to chart da	tum	m *
Seabed sum	nma	n,							
			feature	s of the	site h	Any unusual fea	tures or species, c. Any hun	nan activities	or impacts
at the site	a. 111	c main	reature	3 01 1110	Sito, D. 7	and data for	narco or opooroo, c. 7 my man	ian aonthroc	o, impaoio
Sandstone be	droc	k reef d	ropping	down f	rom surfa	ice to 6 metres th	nen gently sloping sand seabe	d	
1									

#### **Habitat descriptions**

Complete a box below for each **habitat** you found on your dive. Normally the shallowest habitat is No. 1 even if you have done the deepest dive first. Each written description should tally with the information entered in the columns and diagrams on the next page. If you found more than 3 habitats, continue your descriptions on another form. Tick boxes where shown, and insert percentages (they must add up to 100%) or assign a score from 1-5 as appropriate. If you are uncertain leave the box blank. The biotope code will be assigned later from your description,

1. DESCRIPTION (physical and com	nmunity)	
Sandstone bedrock with platforms and	overhangs, Kelp forest in top and	kelp on isolated boulders on sand
		Biotope Code
Seabed type: rock ✓ boulders ☐ cobble	s 🔲 pebbles 🔲 gravel 🔲 sand 🗌	mud  wreckage other
Communities: kelp forest 🗸 kelp park 🗌	mixed seaweeds seagrass b	ed ☐ enc pink algae ✓
animal turf	animal bed	sediment with life barren sediment
2. DESCRIPTION (physical and com	nmunity)	
Vertical bedrock with platforms, crevice		
,	<b>3</b>	
		-
,		Biotope Code
Seabed type: rock / boulders / cobble	s  pebbles  gravel  sand	mud wreckage other
Communities: kelp forest  kelp park	1 100 70 10 10 10 10	40 - 40 - 50 - 60 - 60 - 60 - 60 - 60 - 60 - 6
animal turf	animal bed	sediment with life barren sediment
3. DESCRIPTION (physical and com	imunity)	
Sand		APP -
2		
		Pietone Code
		Biotope Code
Seabed type: rock   boulders   cobble	9 NOT 18 NOT 19	E 374 W W W W W W W W W W W W W W W W W W W
Communities: kelp forest  kelp park		
animal turf	animal bed	sediment with life 🗸 barren sediment 🗌

SS digital v60 Page 2 of 6

1	2	3	
	m		DEPTH LIMITS
0	2	6	Upper (from sea level) (i.e. minimum)
2	6	8	Lower (from sea level) (i.e. maximum)
			Upper (from chart datum) *
			Lower (from chart datum) *

	%		SUBSTRATUM	
100	100		Bedrock type? sandstor	ie
		10	Boulders - very large	> 1.0 m
			- large	0.5 - 1.0 m
			- small	0.25 - 0.5 m
			Cobbles (fist - head size)	
			Pebbles (50p - fist size)	
			Gravel - stone	
			- shell fragment	s
		50	Sand - coarse	
		30	- medium	
			- fine	
			Mud	
		10	Shells (empty or as large	pieces)
			Shells (living e.g. mussels	, limpets)
			Artificial - metal	
			- concrete	
			- wood	
		V 1	Other (state)	
100	100	100	Total = 100 please!	

1	2	3				
1-5			FEATURES - ROCK (all categories)			
3	3		Relief of habitat	(even - rugged)		
2	2		Texture	(smooth - pitted)		
1	1		Stability	(stable - mobile)		
2	2		Scour	(none - scoured)		
1	1		Silt	(none - silted)		
4	4		Fissures > 10 mm	(none - many)		
3	3		Crevices < 10 mm	(none - many)		
	4		Boulder/cobble/pebble shape	(rounded - angular)		
			Sediment on rock?	(tick if present)		

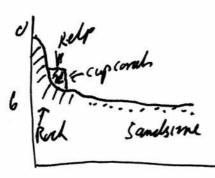
t	ick		FEATURES -SEDIMENT (1)	
			Mounds / casts	
		V	Burrows / holes	
			Waves (> 10 cm high)	
			Ripples ( < 10 cm high)	
			Subsurface coarse layer	
			Subsurface anoxic (black) layer	

1-5	5	FEATURES - SEDI	MENT (2)
	2	Firmness	(firm - soft)
	3	Stability	(stable - mobile)
	3	Sorting	(well - poor)

#### Sketches and plans

Insert a **profile and/or plan** of the seabed you encountered on your dive into the space below (click in the space). Mark (& number the different habitats, corresponding to the written descriptions on p.2. Indicate conspicuous and/or characteristic species. Make sure you include **depth(s)** (vertical axis and a **distance** scale (horizontal axis) for a profile and scale and north point for a plan. Indication the direction of the profile or plan and the direction of any current.

- > prepare your sketch on paper
- > scan it
- > click here to copy the scanned image file from your computer
- > NOTE: inserting a second image will erase the first one



Score the abundance of each group of animals and plants in each habitat alongside the name. In the blank spaces list the seaweeds and animals that you were able to identify positively from the different habitats. Use Latin names if possible, but if you do not know them common or descriptive names are acceptable. If you are not 100% sure about any, add a question mark. Do not enter names as guesses - it is better to exclude them than to include incorrect identifications. Give abundances in the columns: Superabundant, Abundant, Common, Frequent, Occasional & Rare. If you did not note abundances, simply enter a P for Present. Continue on a separate sheet if necessary. If you have a photograph of the species tick the ph column.

YOU CAN CUT AND PASTE GROUP HEADINGS FROM THE BOTTOM INTO ANY POSITION IN THE LIST

	ph	1	2	3	1	ph	1	2	3
	1			<u> </u>		ΙÜ	-	_	
	-		-		<u> </u>		-		
	-					H			
CNIDARIANS: hydroids/anemones/corals	-								
Alcyonium digitatum	╫		0			╫			
Caryophyllia smithiii	-	-	R			Н			
Serpula vermiculairs	╫	0	0			₩	<u> </u>	-	
Terrebelid sp		1		R		Н	_		-
Arenicola marina	╫	-		R		╫	1	-	
Keel worms	╫	F	F			╫	_		
Crustaceans	-		H	-		Н			
Carcinus maenas	╫	F	0	0		Н	-	× 7	
Liocarcinus depurator	╫	0	R	R		Н	-		
Necora puber	+	0	R	-		Н			
Cancer pagurus	+		0	0		₩			
Pagurus sp		С	0	P					
de Caracteria de la car	-					╟	<b>—</b>		
		+				Н	1		
			779			H			
Molluscs						Н			
Gibula cinneraria	╫	R				Н			
						Н			
	╫	-	_		Ascidiella aspersa	⇈		F	
	╫	1			Corella parallelograma	╫		0	
Encruusting tan bryozoan	╫		0		The state of the s	╫	-		
	╫				Pollachius pollachius	Н	1	F	
	╫	+			Gadus morhua (juvenile)	Н		0	
	╫				Pollachius virens	Н		F	
						Н			
Echinoderms	т					Н			
Asteria rubens	т					Ш			
Henricia sp		0			Algae	Ш			
Martasterias glacialis	1	0			Halidrys siliquosa		F		
Echinus esculentus	Ш	F			Laminaria hyperborea		Α		
Astropecten irregularis	т		0		Sacchoriza polyschides		0		
Crossaster papposus	Ш			10000	Fucus serratus		С		
4.41	┧Ħ				Chorda filum		P		
	╗				Ulva sp		Р		
	Т				encrusting pink	Ш		С	
**************************************	┰								
	T				1,71				
	П								
					CR				
1 - 2 - 3 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4					MOLLUSCS				
					BRYOZOANS				
	╗				ECHINODERMS				
					SEA SQUIRTS				
					FISHES				
					SEAWEEDS				
					OTHER				

You can continue your species list on the next page

All that's left for you to do is to either hand it to the Dive Organiser or fold it into thirds along the dotted lines, tuck one part into the other, add a stamp and send it off.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. It will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public. If you do not agree with this use of the data do not submit the form.

for Seasearch use only	validated by 0.P	date 29/10/18
	entered by	date
	MarRec No	

irst fold

Please affix stamp here

Seasearch Marine Conservation Society Over Ross House, Ross Park Ross-on-Wye Herefordshire HR9 7QQ

second fold and tuck in



Seasearch is a joint project co-ordinated by the Marine Conservation Society and supported by: The Wildlife Trusts, Natural England, Countryside Council for Wales, Scottish Natural Heritage, DOE Northern Ireland, Joint Nature Conservation Committee, Environment Agency, Marine Biological Association, British Sub-Aqua Club, Professional Association of Diving Instructors, Scottish Sub-Aqua Club, Sub-Aqua Association, Irish Underwater Council and the Nautical Archaeology Society.

Record no (recorder leave blank) W8-116

# Seasearch Observation Form



This form asks for two types of information from your dive - what the seabed was like and what marine life you saw. Please read the guidance notes before completing the form. By completing this form you will be adding to our knowledge of the marine environment - helping it to remain fit for life!

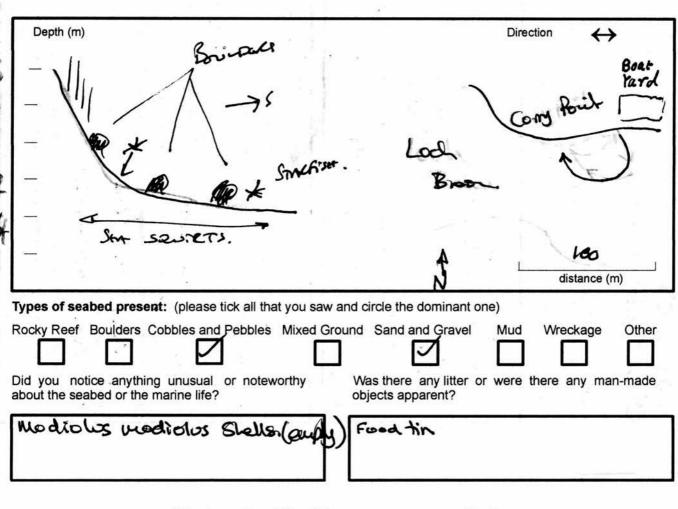
Please complete the following sections in a black pen and BLOCK CAPITALS

-		_
-		
-		

Site Name	Date of Dive 25 / (1 / 15
Loch Broom	Start of dive IS : 40 (24hr)
Boat Yard	Dive duration 43 (mins)
General Location (inc county)	Max depth of survey 13.7 m
I wile east of Ulapan	Sea Temperature 12°C
Wester ross	U/W visibility 5 m
Position at start of dive (degrees & decimal minute)  157 0 52 457 N 005 0 07 · 231  Position at end of dive (if different only)	
Position derived from (circle)  GPS Chart OS Map Web mapping site	Drift dive? yes no
Did you take any photographs? yes no	or video footage? yes / no

#### 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.



#### What marine life did you see on your dive?

Seabed cover types (tick all those	e present)	Species you saw	2
		Show abundance of each species as	
Kelp forest	Animal turf on rocks	Occasional, Common, or if you're unsure, F	resent.
		Sanaian Para ara Ca	C
	Short	Species Pegans Sp	R, O, C or P
		Necora Kober	0
Koln nork	Tall	Liocarcinus depuratr	
Kelp park		cancer paguns lin	0
I M	文章·《单位代》2020年	Macropodia en se.	0
	[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]	Antedon bifida	Ö
Water Transco	Animal Beds	Antedon Petasus	R
Mixed	(e.g. mussels, brittlestars,	Hippartena Putypiana	e
seaweeds	scallops - state which)	Luidia cilians	R
		Porania polvillus	R
<b>—</b> * **********************************	2 Karenbrokess	crossaster papposus	R
Seagrass Bed	A STATE OF THE STA	Asterias Nibens	0
Codgrado Dea	Sediment with life apparent	Ophiothrix fregulis	0
CARLOW ALL COMES AND	(tubes, burrows etc)	Ophiuma ophiuma	0
1227/34-2047/39/632/5319		Cyclopter's lumpus	R
Encrusting pink algae		Pecten Maximus	0
		Aequi pecten operculars	0
	Barren sediment	Ascidella aspersa	C
Other - specify	(no life or structures apparent)	Comella sevallemenua	0
	28.75 N. 1. 15 N. N. 1. 10 N. 1.	Lanice conchilega	R

Illustrations by Bob Foster-Smith

Thank you for completing this form

All that's left for you to do is to either hand it to the Dive Organiser or fold it into thirds along the dotted lines, tuck one part into the other, add a stamp and send it off.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. It will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public. If you do not agree with this use of the data do not submit the form.

for Seasearch use only	validated by	O.P	date	29/10/18
	entered by		date	
	MarRec No			

first fold

Please affix stamp here

Seasearch Marine Conservation Society Over Ross House, Ross Park Ross-on-Wye Herefordshire HR9 7QQ

second fold and tuck in



Seasearch is a joint project co-ordinated by the Marine Conservation Society and supported by: The Wildlife Trusts, Natural England, Countryside Council for Wales, Scottish Natural Heritage, DOE Northern Ireland, Joint Nature Conservation Committee, Environment Agency, Marine Biological Association, British Sub-Aqua Club, Professional Association of Diving Instructors, Scottish Sub-Aqua Club, Sub-Aqua Association, Irish Underwater Council and the Nautical Archaeology Society.



Record no (recorder leave blank) SWI8- [15

# Seasearch Observation Form



This form asks for two types of information from your dive - what the seabed was like and what marine life you saw. Please read the guidance notes before completing the form. By completing this form you will be adding to our knowledge of the marine environment - helping it to remain fit for life!

Please complete the following sections in a black pen and BLOCK CAPITALS

CAPITALO		

Site Name Boat Yund 3 km SE of Ulapul East Short hich Brown	Date of Dive 25 1 9 1/8  Start of dive 14:32 (24hr)		
East shore hich Brown			
DOHLYARD.	Dive duration 38 (mins)		
General Location	Max depth of survey /∜ m		
(inc county) Local BROOM.	Sea Temperature i 2 °C		
H Cyriana	U/W visibility 4 m		
Position at start of dive (degrees & decimal minut	es only) or OS Grid Reference		
57 0 52 .637 N 05 0 07 .23	The state of the s		
Position at end of dive (if different only)	2 Iolisia (* iii liozila), a lialibaia		
0 . N 0 .	WorE		
Position derived from (circle) GPS Chart OS Map Web mapping site	Drift dive? yes (no) Night dive? yes (no)		
Did you take any photographs? yes / n	o or video footage? yes / no		

#### 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
		1480.
-		
-		
_	a Came	<b>∠</b>
-1 <b>4</b> 1		
_		100
18M.		distance (m)
pes of seabed present: (plea	ase tick all that you saw and circl	e the dominant one)
	and Pebbles Mixed Ground Sa	AT.
d you notice anything unus out the seabed or the marine l		there any litter or were there any man-mad ts apparent?
Flam shell nesis		

Wh	at marine life did you s	ee on your dive?	
Seabed cover types (tick all those Kelp forest	Animal turf on rocks	Species you saw Show abundance of each species as Occasional, Common, or if you're unsure, i	
	Short	Scylorhings cantoura	R, O, C or P
Kelp park	Tall	LANICE CONCHILEGA. GALATHEA INTERMEDIA.	0
		LINNAEUS Longissmus?	0
Mixed	Animal Beds (e.g. mussels, brittlestars,	ANTON BIRDA	0
seaweeds	scallops - state which)	Namorasia throwns	0
		LIMARIA HIAKS.	0
Seagrass Bed	Sediment with life apparent (tubes, burrows etc)	PECTEN MAXIMUS.	C)
Encrusting pink algae			
	Barren sediment		
Other - specify	(no life or structures apparent)		



### SEASEARCH SURVEY FORM

- If anything is unclear please refer to the Guidance Notes
- · Each pair of divers should complete a form between them

only fill in the informa	parts of the form. Where there is a * ation if you know it.		www.seasearch.org.uk
Validated by 0.P	Date 21/10/16 Entered by	Date	MR Reference
Recorder leave blank - for S	Seasearch use		

(16

71000700	1 101 00						
Your details							
Dive/Site detail		Loch &	2	7u			O.
Site name [][]	wood!	Bent Kny	( -	1-1/2	Parma	Date of dive: 25 dd / 09 m	m / 18 yy
General location	111	lapool		NEW 2	or Cond	Start of dive: H: 27	
	<i>(</i> 10	Jester 1	Ross	, ,		Dive duration:	63 (mins)
		Highlan	d R	egion		Sea temperature:	12 °c
Position (degrees	and dec	cimal minutes –	state if	in any other forr	mat)	Underwater visibility:	6 m
	L	atitude	L	ongitude	W or E	Drift dive?	yes (no)
Centre of site	570	52:660	ús°	07.258	W	Night dive?	yes (no
For drift dives From	<del>570</del>	<del>52.637</del>	<i>0</i> ≶ ∘ ∘	<del>07. 231</del>	₩	Did you or your buddy take any o	yes/no
Or OS Grid Refe		(circle)		GPS Datur	m (circle)	video footage specimens seaweeds for pressing	yes / no yes / no
GPS (Chart)	OS ma	COLUMN CO	apping	WGS84	OSGB36	seaweeds for pressing	yes ////o
Exposure of site	: extren	nely exposed		exposed extended extended		For the area surveyed, what was the shallowest depth? (m) 6.0 the deepest depth? (m) 15.8	
Max tidal stream		1-3kt 🗌	<1kt	v. we	ak	the deepest depth? (m) 15.7	bsl bcd m*

Seabed summary a) Course sand/sitt slope with scattered cobble/small boulds.

Bands of lame shell beds 9-15m

b) Flame shells

c) Boat/hidning litter. Type, Sandine tin Summarise: a. The main features of the site, b. Any unusual features or species, c. Any human activities or impacts

#### Habitat descriptions

Complete a box below for each **habitat** you found on your dive. Normally the shallowest habitat is No. 1 even if you have done the dive deepest first. Each written description should tally with the information entered in the columns and diagrams on the next page. If you found more than 3 habitats, continue your descriptions on another form. Tick boxes where shown, and insert percentages (they must add up to 100%) or assign a score from 1-5 as appropriate. If you are uncertain leave the box blank. The biotope code will be assigned later from your description.

1. DESCRIPTION (physical + community)
Centle slope of coarse sand/gravel with high sitt content. Kelp covern decreasing with depth but dense in shallows.
Kelp cover decicusion, with depth but deux in shallows.
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae
animal turf animal bed sediment with life barren sediment
2. DESCRIPTION (physical + community)
Flame shell beds, borned in bands parallel to coast
along depth contours. Mised sizes of individuals:
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae
animal turf animal bed twans sediment with life barren sediment
3. DESCRIPTION (physical + community)
(p. ye.ca. commanny)
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae animal turf sediment bed sediment with life barren sediment
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae

1	2	3	7
	m		DEPTH LIMITS
6.0	9.0		Upper (from sea level) (i.e. minimum)
15,4 15,4			Lower (from sea level) (i.e. maximum)
			Upper (from chart datum) *
			Lower (from chart datum) *

%			SUBSTRATUM		
			Bedrock type?:		
			Boulders - very large > 1.0 m		
			- large 0.5 - 1.0 m		
			- small 0.25 - 0.5 m		
	1		Cobbles (fist - head size)		
10	120		Pebbles (50p - fist size)  Gravel - stone - shell fragments		
30	30				
15	10				
30	IS		Sand - coarse		
			- medium		
			- fine		
			Mud		
15	15		Shells (empty - or as large pieces)		
	10		Shells (living - eg mussels, limpets)		
			Artificial - metal		
			- concrete		
			- wood		
			Other (state)		
100	100	100	Total		

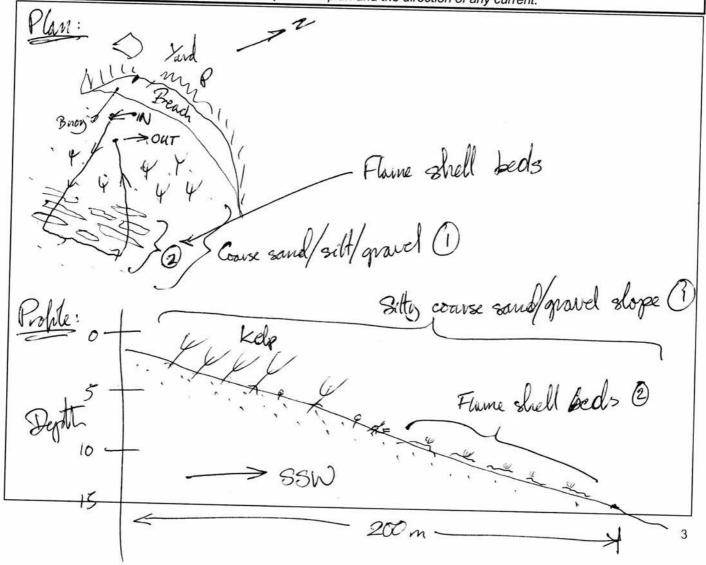
1	2	3	7
	1-5		FEATURES - ROCK (all categories)
			Relief of habitat (even - rugged)
			Texture (smooth - pitted)
			Stability (stable - mobile)
			Scour (none - scoured)
			Silt (none - silted)
			Fissures > 10 mm (none - many)
			Crevices < 10 mm (none - many)
			Boulder/cobble/pebble shape
			(rounded - angular)
			Sediment on rock? (tick if present)

 FEATURES - SEDIMENT (1)
Mounds / casts
Burrows / holes
Waves (>10 cm high)
Ripples (< 10 cm high)
Subsurface coarse layer?
Subsurface anoxic (black) layer?

1-5	FEATURES - SEDIMENT (2)
3 3	Firmness (firm - soft)
1 3	Stability (stable - mobile)
4 4	Sorting (well - poor)

Sketches and plans

Draw a **profile and/or plan** of the sea bed you encountered on your dive in the space below. Mark (& number) the different habitats, corresponding to the written descriptions on p.2. Indicate conspicuous and/or characteristic species. Make sure you include **depth(s)** (vertical axis) and a **distance** scale (horizontal axis) for a profile and scale and north point for a plan. Indicate the direction of the profile or plan and the direction of any current.



Score the abundance of each group of animals and plants in each habitat alongside the name. In the blank spaces list the seaweeds & animals which you were able to identify positively from the different habitats. Use latin names if possible, but if you don't know them, common or descriptive names are acceptable. If you are not 100% sure about any, add a question mark. Do not enter names as guesses - it's better to exclude them than to include incorrect identifications. Give abundances in the columns: Super abundant, Abundant, Common, Frequent, Occasional & Rare. If you did not note abundances, simply enter a P for Present. Continue on a separate sheet, if necessary. If you have a photograph of the species tick the ph column.

	ph	1	S S S S S S S S S S S S S S S S S S S	3		ph	1	2	3
ponges/ 1 1		-	1	-	echinoderms//	Patricia	1	-	- 0
Indrilectus moram	1	$1 \wedge$	1		Martina sterras alacialis	1/	10	0	
thing her have	-	10			municipal gracialis	1	10		_
r. ž	/	10			Asterias ruber	-	10		
lectra silva	V	R			Antedon petusus	1/	18		
eleena priosa					Osluva 1 50.	V,	K		
<u> </u>					Astropeder menun	Z	0		
					Astropeter imenular	1/	0	0	
					Antedon Strick	1			
					Pomaria sucilus	1	R		
					Ophrothis Praintes	1	0		
nidarians: hydroids, anemones, corals,		-			sea squirts	1			
	./		+		sea squits	,/	1-		
belia poniculata l	V	10			Covella garalleros anus	V	F		
Geractionia edicinals	V,	R			Assidialla assessa	V	F		
Jamatesia varnosa	V	0			assidia meritiata				
lematesia antennina	10/	R			Assidia nivernea	V,	R		
Colegium halegium	/	R			Plana Sp.	/	R		
Laronium digitata	1/	0			July al	_			
lundularia soncea	1	0							
airantius llovali	1	X			fichas				
eyayanus ugixau	/	18			fishes	/			
ubidaria indivisa	0,	R			Comptodistors pictus	V,	0		
Horas Moridium diarillus		9			Tholly orinelous	1	R		
orms					Cadusi mortina	V	0		
programerus sp	1	F			Pornatodristus Copy	V			
privates 8p 1	1/	F			Trisoplerus univertus	1	$\triangle$		_
anices conclusora	1/				in degree of the products	_			
servicular miculais	/	0	$\vdash$			_			
	./	2	-			_		-	
	V	/-					/		
rustaceans	-4	-	$\vdash$		seaweeds	_/			
wings macinis	V	0			/ muhanas hugo borca	1	2		
lunida vuvosa	V,	1E			Chorda hours	//	0		
asminus SD.	1	0	0		Desmanstria vividis	1.	0		
whisedia sp.	1				P.E.A.	/	F		
Vacamentia sol	/	10	R		Λ				
asura sema velas	/	B	~		Promuse material	,/	R		
wholid sp.	./	~	$\vdash$		Amissa carcinionarità	0	6		
	4	8			Admissio caracinio prito	V		$\vdash$	_
nadrus 80.	V	K	$\vdash$		pallian 2	/	*		
olluses	$\mathcal{A}$	1	$\vdash$		psommidulys milians	1	0		
eden marinus	//	10			Lampeia dorrigera	1			
	/	/	F		Coasternoaposos	V.	R		
intus edulus	/	0			Lepidochion cenevar	1	0		
Lilan SP 1	1/				Memoranegora membarni	MAN	R		
rivia artina	1	2			other of continuations	eq.			
Exarcirus depurator	/	0			Constitution of the control	./	R		
year your alfundar		X			aglettres strigosa	1	2		
on peatin operally is (juy		O			Colymnosomu nima	V,	F		
yozoans U	-				Cittopina 8p.	V	R		
yozoans mulisa muulosa	V.	RR			Cibula makus	1	0		
west war mat	V,	K			Morado succinun	V	0		
onoprius reticulator ?	1	R				1			
The state of the s	. /	13			Facelina provilensis	21	R		_
181800 FUNDON					THE PROPERTY OF THE PROPERTY O	/ I M. I			
andrius montagni incus longisumus.	-	Z			Cuisilla cirrieria	Sa			

Once completed return the form to the Dive Organiser or to Seasearch, Marine Conservation Society, Over Ross House, Ross Park, Ross-on-Wye, Herefordshire, HR9 7QQ.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. They will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public through the Seasearch and NBN websites. If you do not agree with this use of the data do not submit the form. 4

### SEASEARCH SURVEY FORM

Form No (leave blank)

	1. 2
5W18 .	-112
7 40.0	



•	f anything	is unclear	please	refer to	o the	Guidance	Notes
---	------------	------------	--------	----------	-------	----------	-------

- · Each pair of d
- · Please comple only fill in the

Recorder leave blank - for Seasearch use

<ul> <li>Each pair of divers s</li> </ul>	please refer to the <b>Guidance Notes</b> nould complete a form between them parts of the form. Where there is a * tion if you know it.		seasearch.org.uk
Validated by <i>U. P</i>	Date 29/10/18 Entered by	Date	MR Reference

Your details							
Site name Luc		Ba	Mari	1		Date of dive: 25 dd / 09 mi	m / 18 / 10/
General location	711 10	room Pou	1 dugar	of Emp	into d	Start of dive: 1. :26	m / / s/ yy (24hr)
General location	Th Ra	more y a	Silve	1 remin	sucg	Dive duration:	H 3 (mins)
, , , , , , , ,		vom rig	juur	n regers		Sea temperature:	1 ¬ °C
Position (degrees	and dec	cimal minutes –	state if	in any other for	mat)	Underwater visibility:	6 m
	eyodi.wi.x-njiso sa s-es	atitude	gran montant	ongitude	WorE	Drift dive?	yes (n)
Centre of site	57°	52.657	05°	07-263	W	Night dive?	yes / fig
For drift dives	0		0	12		Did you or your buddy take any of	the following?
То	0		0	200		photographs	(es) / no
Or OS Grid Refe	erence					video footage	(ŷeş / no
Position derived		(circle)		GPS Datur	m (circle)	specimens seaweeds for pressing	yes / no
GPS Chart	OS ma		apping	WGS84	OSGB36	seaweeds for pressing	yes / no
Exposure of site mod exposed Max tidal stream	e: extren					For the area surveyed, what was the shallowest depth? (m) the deepest depth? (m)	bsl bcd
>6kt 3-6k		1-3kt .	<1kt	v. we	ak	Tidal correction to chart datum	m*

#### Seabed summary

#### **Habitat descriptions**

Complete a box below for each **habitat** you found on your dive. Normally the shallowest habitat is No. 1 even if you have done the dive deepest first. Each written description should tally with the information entered in the columns and diagrams on the next page. If you found more than 3 habitats, continue your descriptions on another form. Tick boxes where shown, and insert percentages (they must add up to 100%) or assign a score from 1-5 as appropriate. If you are uncertain leave the box blank. The biotope code will be assigned later from your description.

1. DESCRIPTION (physical + community) Lela part on sedement slepe with large Modivius
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae
animal turf animal bed MUDIOLUS sediment with life barren sediment
2. DESCRIPTION (physical + community)
sedment slipe with bunds of Limana resiz
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other  Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae
animal turf animal bed kimaria hums sediment with life barren sediment
3. DESCRIPTION (physical + community)
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae
animal turf sediment with life barren sediment

1	2	3	
m			DEPTH LIMITS
			Upper (from sea level) (i.e. minimum)
			Lower (from sea level) (i.e. maximum)
			Upper (from chart datum) *
			Lower (from chart datum) *

	%		SUBSTRATUM		
			Bedrock type?:		
			Boulders - very large > 1.0 m		
			- large 0.5 - 1.0 m		
	10		- small 0.25 - 0.5 m		
	10		Cobbles (fist - head size)		
	20		Pebbles (50p - fist size)		
			Gravel - stone		
			- shell fragments		
			Sand - coarse		
		20	- medium		
			- fine		
	AU	40	Mud		
			Shells (empty - or as large pieces)		
			Shells (living - eg mussels, limpets)		
			Artificial - metal		
			- concrete		
			- wood		
		HU	Other (state) Limany nests		
100	100	100	Total		

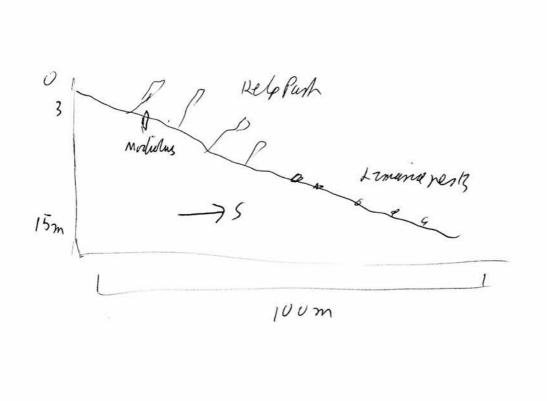
1	2	3		
	1-5		FEATURES - RO	CK (all categories)
			Relief of habitat	(even - rugged)
			Texture	(smooth - pitted)
			Stability	(stable - mobile)
			Scour	(none - scoured)
			Silt	(none - silted)
			Fissures > 10 mm	(none - many)
			Crevices < 10 mm	(none - many)
ŧ			Boulder/cobble/pe	bble shape (rounded - angular)
			Sediment on rock?	? (tick if present)

✓	FEATURES - SEDIMENT (1)
	Mounds / casts
	Burrows / holes
	Waves (>10 cm high)
	Ripples (< 10 cm high)
	Subsurface coarse layer?
	Subsurface anoxic (black) layer?

1-5	FEATURES – SEDIMENT (2)	
	Firmness (firm - soft)	
	Stability (stable - mobile)	
	Sorting (well - poor)	

#### Sketches and plans

Draw a **profile and/or plan** of the sea bed you encountered on your dive in the space below. Mark (& number) the different habitats, corresponding to the written descriptions on p.2. Indicate conspicuous and/or characteristic species. Make sure you include **depth(s)** (vertical axis) and a **distance** scale (horizontal axis) for a profile and scale and north point for a plan. Indicate the direction of the profile or plan and the direction of any current.



Score the abundance of each group of animals and plants **in each habitat** alongside the name. In the blank spaces list the seaweeds & animals which you were able to identify **positively** from the different habitats. Use latin names if possible, but if you don't know them, common or descriptive names are acceptable. If you are not 100% sure about any, add a question mark. Do not enter names as guesses - it's better to exclude them than to include incorrect identifications. Give abundances in the columns: **S**uper abundant, **A**bundant, **C**ommon, **F**requent, **O**ccasional & **R**are. If you did not note abundances, simply enter a **P** for Present. Continue on a separate sheet, if necessary. If you have a photograph of the species tick the **ph** column.

	ph	1	2	3		ph	1	2	3
sponges					echinoderms ,				
					Echinus esculening		0	0	
					Prammechinus miliaris		F	1-	
					Acresian n. hene		15-	F	
					May husienen gluintes		10	W	
	1			1	Di madi Han amena you			0	
	+		-		Asmpleten Inegulum Angelon pelasus			F	
	+			-	Anterior persons	+		R	
	+		-	-	Scholen engling	-	0	1/5	-
	+		-		30 custon ensura	+	_K_	-	
cnidarians: hydroids, anemones, corals,	+			-	sea squirts				-
A/2 - 1 11 can and least a	+		0		Accepted to market	1		0	3
Nements is antenina	+		0	-	13 cargeria aspersa	+			
	-		-	-	Come la paralleligramia	-		0	_
	-			-	80	+		-	-
		-		-		-		-	_
			-	-				+	
	-					1			
		,			fishes				
					Pomulacihine Primis		0	U	
					Gebrus only parsens		,,	4)	
worms					Parison and Parison		Ř	10	
Reel woms.	1	F	R	_	Regis gunnells,		6	<del>                                     </del>	
Tour las	+	F	F		Effectives of Muchins	+	7	1	
shower some	+	-	W	-	figureups podentius	+		-	
Sepula remidens	+	R			Mexichus mens	+	8	R	_
<u> </u>	-				Muchus wirker jumente	+	10	K	-
crustaceans					seaweeds ,			_	
Cartinus muenas		0	0		Luminaria hyperborea		C		
In alar inner la anner	1		0		Full Commen		1		
Munda nyosa	1	0	P		Charle Sepalus	1	()		
Principal Pagasa	_	0	0		energy proh	1	0		
Eagures of	+		-		Sacheman luiz mu		0	<b>—</b>	
Vagunus bemberdus.	+	0	3		Sachembra alla mue	1	0	1	
Bulanus balanus	+	1)	0	_		-			
Caner pagiens		R	-			$\vdash$			
Newsa puber		1						-	-
molluscy		n	_			-			
Modulus medulus		P	R						
Bullinum undurum		0	0			$\vdash$			
Grabuly imperanu		0						-	
Tumeva shows			0						_
Person maximus,			0		other or continuations			L.	
Alumas sperculars			0		Chilan Sp.		2	R	
sepra Stringlis eggs			R		Limana heans			K	
Sepra ffrendix eyys bryozoans Wembranepera membranares					mushus se		R		
New born a Dem men boances en		0			Mainpolis :P		R		
- The top on pany and the top					, , ,				
	-					-			_
	-				Continue on a separate sheet if you r	need to	2		_
	1				Continue on a separate sneet if your	ieeu l	,		

Once completed return the form to the Dive Organiser or to Seasearch, Marine Conservation Society, Over Ross House, Ross-on-Wye, Herefordshire, HR9 7QQ.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. They will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public through the Seasearch and NBN websites. If you do not agree with this use of the data do not submit the form.

# SEASEARCH SURVEY FORM

Form No (leave blank)

c	-117
SWIS	11 6



•	f	anythi	ng i	s unc	lear p	lease	refer	to 1	the	Guidance	Notes	
---	---	--------	------	-------	--------	-------	-------	------	-----	----------	-------	--

- Each pair of divers should complete a form between them
- · Please complete all parts of only fill in the information if

Validated by

of the form. Where there is a *  you know it.		www.seasearch.org.uk			
Date 29/10/18 Entered by	Date	MR Reference			

Recorder leave blank	k - for Se	asearch use					
Your details							
Postcode PA	29	61A					
Dive/Site detail		ONIC					
Site name (alas na Gaimhich						Date of dive: 24dd / 09	mm / yy
General location	EN	eun Fail	a Ma	Start of dive: 12:54	(24hr)		
	Sum	mer 15 les	<b>S</b>	Dive duration:	万〇 (mins)		
	High	rlund R	egn	n		Sea temperature:	/ ℃°c
Position (degrees					mat)	Underwater visibility:	15 m
	L	atitude	L	ongitude	W or E	Drift dive?	yes / (ro)
Centre of site	58°	00.646	050	26.171	W.	Night dive?	yes / 6 <i>d</i>
For drift dives From	0	E	0	4		Did you or your buddy take any photographs	of the following?
То	U			0.00		video footage	/yes/no
Or OS Grid Refe	erence					specimens	yes / no
Position derived from: (circle) GPS Datum (circle)						seaweeds for pressing	yes / no
GPS Chart	OS ma	p Web ma	apping	WGS84	OSGB36		
Exposure of site mod exposed		/		exposed extended exte	xposed are red	For the area surveyed, what wa	bsl bcd
Max tidal stream		1-3kt	<1kt	v. we	ak	the deepest depth? (m) ${}$	bsi bcd m*

#### Seabed summary

Summarise: a. The main features of the site, b. Any unusual features or species, c. Any human activities or impacts at the site
on the south side Maert in the centre of the channel. Meest could in jobamentaries alyae scalled jelly fish, should of Sautho /pMark,
on the south side Main me centre of the Channel. Main could
in Johnnenteres alyan scalped sellyfish, should of sautho plant,
and sundeels.

#### **Habitat descriptions**

Complete a box below for each **habitat** you found on your dive. Normally the shallowest habitat is No. 1 even if you have done the dive deepest first. Each written description should tally with the information entered in the columns and diagrams on the next page. If you found more than 3 habitats, continue your descriptions on another form. Tick boxes where shown, and insert percentages (they must add up to 100%) or assign a score from 1-5 as appropriate. If you are uncertain leave the box blank. The biotope code will be assigned later from your description.

1. DESCRIPTION (physical + community)  3 hell sand and much in shallow ridal channel, much covered in kelp and red feliese alyae Cerianthies cammon in sedement
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other mud
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae
animal turf animal bed sediment with life barren sediment
2. DESCRIPTION (physical + community) Rochy reef from 5 m w surface, enemisting red and Alegonium. ILelp on lop of wall
Biotope Code
Seabed type: rock   boulders   cobbles   pebbles   gravel   sand   mud   wreckage   other
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae
animal turf Augmum animal bed sedweeds sediment with life barren sediment
3. DESCRIPTION (physical + community)
Biotope Code
Biotope Code  Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other  Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae

1	2	3	
	m		DEPTH LIMITS
i)	0		Upper (from sea level) (i.e. minimum)
7	5		Lower (from sea level) (i.e. maximum)
			Upper (from chart datum) *
			Lower (from chart datum) *

	%		SUBSTRATUM			
	100		Bedrock type?:			
			Boulders - very large > 1.0 m			
			- large 0.5 - 1.0 m			
			- small 0.25 - 0.5 m			
			Cobbles (fist - head size)			
			Pebbles (50p - fist size)			
			Gravel - stone			
			- shell fragments			
50			Sand - coarse			
10			- medium			
			- fine			
			Mud			
40			Shells (empty - or as large pieces)			
			Shells (living - eg mussels, limpets)			
			Artificial - metal			
			- concrete			
			- wood			
			Other (state)			
100	100	100	Total			

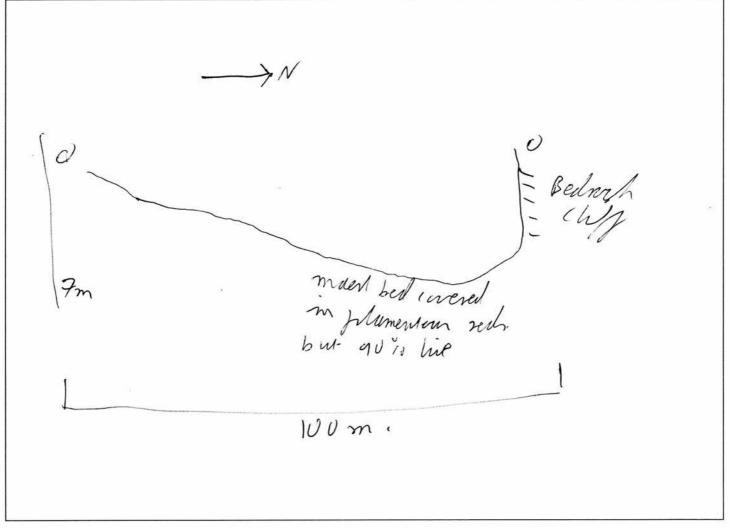
1 2	3		
1-5		FEATURES -	ROCK (all categories)
4		Relief of habit	at (even - rugged)
2		Texture	(smooth - pitted)
1		Stability	(stable - mobile)
1		Scour	(none - scoured)
11		Silt	(none - silted)
3		Fissures > 10	mm (none - many)
3		Crevices < 10	mm (none - many)
		Boulder/cobbl	e/pebble shape (rounded - angular)
		Sediment on r	ock? (tick if present)

<b>✓</b>	FEATURES - SEDIMENT (1)
	Mounds / casts
	Burrows / holes
	Waves (>10 cm high)
	Ripples (< 10 cm high)
	Subsurface coarse layer?
	Subsurface anoxic (black) layer?

1-5	FEATURES – SEDIMENT (2)
1	Firmness (firm - soft)
2	Stability (stable - mobile)
3	Sorting (well - poor)

#### Sketches and plans

Draw a **profile and/or plan** of the sea bed you encountered on your dive in the space below. Mark (& number) the different habitats, corresponding to the written descriptions on p.2. Indicate conspicuous and/or characteristic species. Make sure you include **depth(s)** (vertical axis) and a **distance** scale (horizontal axis) for a profile and scale and north point for a plan. Indicate the direction of the profile or plan and the direction of any current.



Score the abundance of each group of animals and plants **in each habitat** alongside the name. In the blank spaces list the seaweeds & animals which you were able to identify **positively** from the different habitats. Use latin names if possible, but if you don't know them, common or descriptive names are acceptable. If you are not 100% sure about any, add a question mark. Do not enter names as guesses - it's better to exclude them than to include incorrect identifications. Give abundances in the columns: **S**uper abundant, **A**bundant, **C**ommon, **F**requent, **O**ccasional & **R**are. If you did not note abundances, simply enter a **P** for Present. Continue on a separate sheet, if necessary. If you have a photograph of the species tick the **ph** column.

	ph	1	2	3		ph	1	2	3
sponges ,					echinoderms				
sponges Myxille menustans			0		Henoria st			n	
					Filmus le culoutres		C	6	
					Luchen calians		<i>F</i> -		
					Manhen ienas alicantis		F		
					Astman when		F	<del>                                     </del>	
		-			Albant less mituelus		()		<u> </u>
					Hennia st Fehrus-Isulanus Funda culan Manhastenas glycustis Astenas rubers Astroperten megalan				
cnidarians: hydroids, anemones, corals,					sea squirts				
Cerranghus Verydy		A			Asciding mentitue. Sirryllus schliesen Asciding as erga Ammoliges sandelsp		0	F	
Alexanium diassession			1=		Burney schargen		J		
Shely geniculata		F			Asuntially anology.		0	D	
Malinalaum somelle		0			Amandades Sandoolia		A		
Alignium dransusum Speliu geniculata Metralsun semble Calvadium mixmelienin		R			, , , , , , , , , , , , , , , , , , , ,		7-		
					fishes				—
					Mashus folarmus		C		_
					Collarhum viren		(		
worms					Gobrusulus Murestens		0		
Lavorel concluded		0			Sandles		(		
Leel works		0			Pomulacchialus ordeus		F		
(=, =,					Endes mentred (menula)		0		
					Pomashus polashus Consulus yearestens Sangles generales Consulus yearestens Consulus yearestens Consulus yearestens Cadus merhed cynemie) Uyasse sp		R		
					or the p		•		
crustaceans					seaweeds -				
Lucianinus mammaca		R			Maer pmh			A	
20/ Moderned Legenston		()			Modera		A	1	
Negan Ouble		0	()		Codum		· k		
Nersa pulid Hemanik gamany		<b>X</b>	R		Letoner and a decidate		12		
Familia palletand		-			Lummana digitala		7		
Lander paymens		-		-	E a hand his come				
		Ð			Sgrihanna Clinismu		<u>_</u>		
Cinemus, muenus					Chrodu Wum		<u>C</u>		-
Maurpulia sf		R			Wha si		9		-
molluscs'		_			Consulina Spenilles		K.		
Perfen maxmus spur-		0			Framening red muly		2		
Called Stoma Zismphum		0			Frameninus red muls		A		
Enswersh		0			E 2				
Gebrula (morana		U						,	
Truck monache		K			other or continuations				
Acquipeden genulain		R.			inachus se		R		
bryozoans									
Nembranapera membran acces		F							
					Continue on a separate sheet if you n	eed to	)		

Once completed return the form to the Dive Organiser or to Seasearch, Marine Conservation Society, Over Ross House, Ross Park, Ross-on-Wye, Herefordshire, HR9 7QQ.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. They will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public through the Seasearch and NBN websites. If you do not agree with this use of the data do not submit the form.

Thank you for completing this form

All that's left for you to do is to either hand it to the Dive Organiser or fold it into thirds along the dotted lines, tuck one part into the other, add a stamp and send it off.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. It will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public. If you do not agree with this use of the data do not submit the form.

for Seasearch use only	validated by	P	date 29 / 10/18
	entered by		date
	MarRec No		

irst fold

Please affix stamp here

Seasearch Marine Conservation Society Over Ross House, Ross Park Ross-on-Wye Herefordshire HR9 7QQ

second fold and tuck in



Seasearch is a joint project co-ordinated by the Marine Conservation Society and supported by: The Wildlife Trusts, Natural England, Countryside Council for Wales, Scottish Natural Heritage, DOE Northern Ireland, Joint Nature Conservation Committee, Environment Agency, Marine Biological Association, British Sub-Aqua Club, Professional Association of Diving Instructors, Scottish Sub-Aqua Club, Sub-Aqua Association, Irish Underwater Council and the Nautical Archaeology Society.



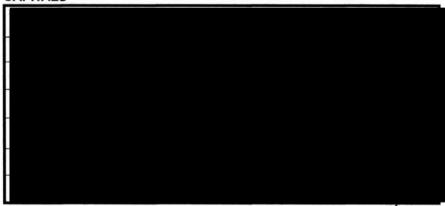
Record no (recorder leave blank)

# Seasearch Observation Form



This form asks for two types of information from your dive - what the seabed was like and what marine life you saw. Please read the guidance notes before completing the form. By completing this form you will be adding to our knowledge of the marine environment - helping it to remain fit for life!

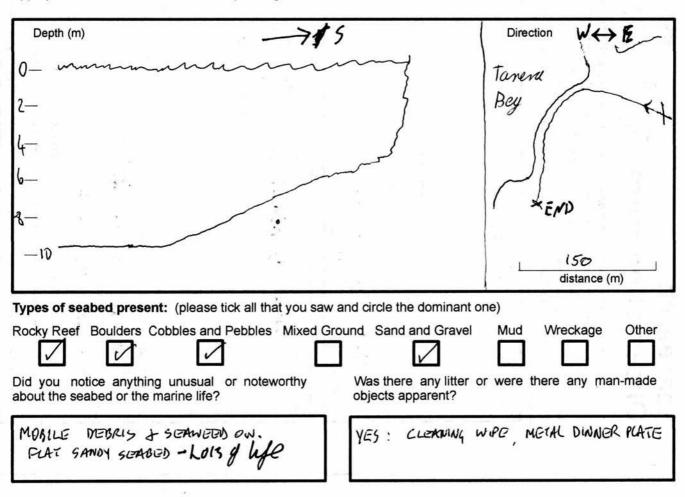
Please complete the following sections in a black pen and BLOCK CAPITALS



Site Name NE Tunera Bey Caolas na carmlach	Date of Dive 24 19 118				
Summer Bles harmlach	Start of dive 13: 00 (24hr)				
*	Dive duration +O (mins)				
General Location Anchorage	Max depth of survey & m				
General Location Anchorage (inc county) between Tanera Beg and Erlean Fayla Mgr, Summer	Sea Temperature / 2 °C				
1ster Haghland.	U/W visibility / U m				
Position at start of dive (degrees & decimal minutes 58 0 00 626 N 00 26 26					
Position at end of dive (if different only)  Sg 0 66 · 65 N 005 0 26 · 155	WorE				
Position derived from (circle)  GPS Chart OS Map Web mapping site	Drift dive? yes / (ng/ Night dive? yes / (ng/				
Did you take any photographs? yes / ne	o or video footage? (yes / no				

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.



#### What marine life did you see on your dive?

Seabed cover types (tick all those	present)
Kelp forest	Animal turf on rocks
	Short
Kelp park	Tall
Mixed	Animal Beds (e.g. mussels, brittlestars,
seaweeds	scallops - state which)
	BURROWING ANDMONES
Seagrass Bed	- Anna Contract
natification of the	Sediment with life apparent (tubes, burrows etc)
Encrusting pink algae	
V * * * * * * * * * * * * * * * * * * *	Barren sediment

Other - specify

(no life or structures apparent)

. <u>. . . .</u> .

Illustrations by Bob Foster-Smith

#### Species you saw

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

Species	R, O, C or P
EUTRIQUA GURNARIOUS	R
PLEURONELIGS PLATESSA	R
CHORDA FILUM	C
SYNGNATHUS ACUS	R
LAMINARIA MYPGRBORGA	<b>C</b>
CERIANTHUS LLOYDII	C
ECHINUS ESCULENTUS	0
CORELLA PARALELL OGRAMMA	R
ASCIDIA MENTULA	C
ASGIDIALIA ASPERSA	C
PECTEN MAXIMUS	0
CHLAMYS (AEQUIPECTEN) SP.	0
ASTERIAS RUDENS	0
MARTHASTERIAL GLACIALIS	R
POMATOSCHISTUS PICTUS	R
TRISOPTERUS MINUTUS	0
ASTROPECTEN IRREQUENCY	0
WIDIA CILIARIS	O
LANGE CON CHILEGA	R
ADAMSIA CARCINIOSADOS PALLIATA	R

PAGURUS PRIDEAUX |

# SEASEARCH SURVEY FORM Species Continuation Sheet

SE	easeárch
	www.seasearch.org.uk

Form No (leave blank)

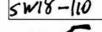
Site Name NE Tanera Bcy, Summer 1562	
Date of Survey 24/9/18	
Recorder Steve Bishop / emis Press	

	-1-								-
444/	ph	1	2	3		ph	1	2	3
CHAETOPTERUS VARIOPEDATUS	/	R				-		-	
ASCIDIA VIRGINEA	-	0				_			
LITHOTHAMNION SP.	V	F		_			_		
CONOPEUM SP.	~	0							
GOBIUSCULUS FLANGSCONS	V	0							
ASTROPECTON IRREQULARIS DICTYOTA DICHOTOMA	1	0							
DICTYDIA DICHOTOMA	/	0							
GIBBULA CINERARIA	/	0							
NECORA PUBER	/	u							
BOTRYLLUS SCHLOSSEN	~	Q							
FUCUS SPIRACIS	V	R							
ASTURIAS RUSENS	1	F			The second secon				
CANCER PAGURUS	V	0							
PONATOCEROS SP.	1	r							
ALCYDNIUM DIGITATUM	V	0							
CARYOPHYLLIA SMITHII	<	0							
CARNOPHYLLIA SMITHII									
ACTINOTHOL SPHYROUETA	V	R		-221					
THOROGOBIUS EPHIPPIATUS	1	0							
GALATHEA STRIGOSA	1	0							
GALATHEA STRIGOSA WHITE ENCRUSTING SPONGE	V	0							
		y - 1	- 200		A CONTRACTOR OF THE CONTRACTOR				1502
	7.0								
	-						10,2		
3	-								
								-	
	-						-		
	_		-	-					
		-		-		$\vdash$		-	_
				-					
	-			-		$\vdash$			
			-			-		-	-
							-	-	-
		-				-	_	-	-
		-		-				-	
						-			

## SEASEARCH SURVEY FORM

Form No (leave blank)

_	1.11	V		1.0
5	WI	0	-	110



- If anything is unclear please refer to the Guidance Notes
- Each pair of divers should complete a form between them
- Please complete all parts of the form. Where there is a \* only fill in the information if you know it.

se	aseárch
×	www.seasearch.org.uk

Offig the fit the fit	ioimation ii you kii	JVV IL.		( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	
Validated by	Date 21/	Entered by		Date MR Refer	rence
Recorder leave blank	- for Seasearch use				
Your details					
Tour details					
<del>'</del>					
Dive/Site details	·				U
Site name We	or Erlean Farla	Mor Kadas nu	Gainmhuch	Date of dive: 24 dd /	09mm/18 yy
General location	Sumner	Ides	•	Start of dive: 12	2:38 (24hr)
	Wester RUSS	Móv/Cadas ma Isles Regnon		Dive duration:	42 (mins)
	H rgh land	legron		Sea temperature:	12 °c
		- state if in any other for		Underwater visibility:	6 m
	Latitude	Longitude	WorE	Drift dive?	yes (no
Centre of site	58° OU . 8	05° 26.	W	Night dive?	yes (no)
For drift dives	The main	Ko 01 251		Did you or your buddy ta	ake any of the following?
From	1.00	050 26, 304			
То	58° 00.747	05° 26. 220	5	photographs video footage	yes/no
Or OS Grid Refe	erence			specimens	yes /no
Position derived	from: (circle)	GPS Datu	ım (circle)	seaweeds for pressing	- 12
GPS Chart	OS map Web m	apping WGS84	OSGB36		V
Exposure of site	: extremely exposed	□ v exposed □ €	exposed	For the area surveyed, v	what was
mod exposed	sheltered v s	heltered ext shel	ltered	the shallowest depth? (m	bcd bsl bcd
Max tidal stream	i			the deepest depth? (m	) 11.6 bslbcd
>6kt 3-6k	1-3kt	<1kt - v. we	eak 🖳	Tidal correction to chart	datumm*
Seabed summa	ary				
Summarise: a. T	The main features of	of the site, b. Any un	usual featu	res or species, c. Any huma	an activities or impacts
at ti	he site	10 / 101	1	1/	and let M
a) A div	e hom bo	white wall	across	cours sawy of	and sie
01 - 1	1 11-	Alex- unl	l. With	kelptalgal cover	r and sedimin &
beltomed	sound to	anovar ass	1/	1-111	branchus
b) Mary	round ar	d mobile	wose s	porges + pour	an activities or impacts avel/shall and sediment a obsauchus
)					
c) None					
1.00,0					

#### Habitat descriptions

Complete a box below for each **habitat** you found on your dive. Normally the shallowest habitat is No. 1 even if you have done the dive deepest first. Each written description should tally with the information entered in the columns and diagrams on the next page. If you found more than 3 habitats, continue your descriptions on another form. Tick boxes where shown, and insert percentages (they must add up to 100%) or assign a score from 1-5 as appropriate. If you are uncertain leave the box blank. The biotope code will be assigned later from your description.

Rollogund

1	2	3	
	m		DEPTH LIMITS
3.0	7.0		Upper (from sea level) (i.e. minimum)
7.0	11.6		Lower (from sea level) (i.e. maximum)
			Upper (from chart datum) *
			Lower (from chart datum) *

	%		SUBSTRATUM
			Bedrock type?:
20	)		Boulders - very large > 1.0 m
50	(		- large 0.5 - 1.0 m
20			- small 0.25 - 0.5 m
10			Cobbles (fist - head size)
	0		Pebbles (50p - fist size)
	30		Gravel - stone
	25		- shell fragments
	25		Sand - coarse
			- medium
			- fine
			Mud
	10		Shells (empty - or as large pieces)
			Shells (living - eg mussels, limpets)
			Artificial - metal
			- concrete
			- wood
			Other (state)
100	100	100	Total

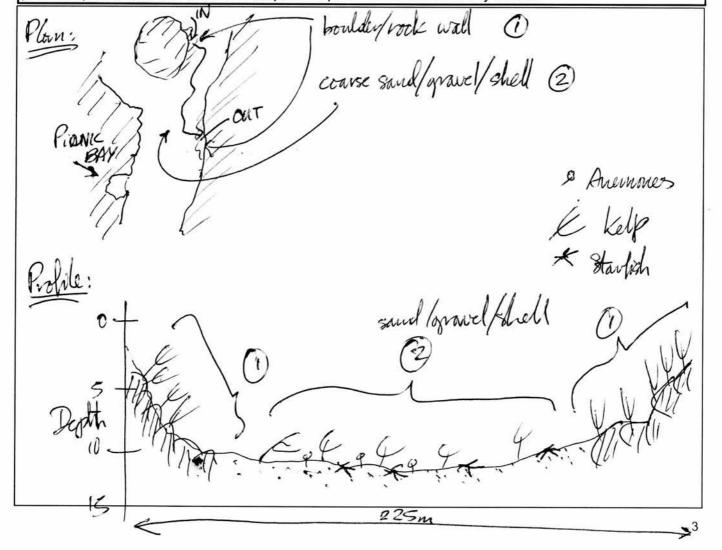
1	2	3		
	1-5		FEATURES - ROC	K (all categories)
2			Relief of habitat	(even - rugged)
2			Texture (	smooth - pitted)
			Stability (	stable - mobile)
(			Scour (i	none - scoured)
			Silt	(none - silted)
3			Fissures > 10 mm	(none - many)
2			Crevices < 10 mm	(none - many)
2			Boulder/cobble/peb	ble shape (rounded - angular)
			Sediment on rock?	

/ /	FEATURES - SEDIMENT (1)
	Mounds / casts
	Burrows / holes
	Waves (>10 cm high)
	Ripples (< 10 cm high)
	Subsurface coarse layer?
	Subsurface anoxic (black) layer?

1-5	FEATURES – SEDIMENT (2)
4	Firmness (firm - soft)
4	Stability (stable - mobile)
2	Sorting (well - poor)

#### Sketches and plans

Draw a **profile and/or plan** of the sea bed you encountered on your dive in the space below. Mark (& number) the different habitats, corresponding to the written descriptions on p.2. Indicate conspicuous and/or characteristic species. Make sure you include **depth(s)** (vertical axis) and a **distance** scale (horizontal axis) for a profile and scale and north point for a plan. Indicate the direction of the profile or plan and the direction of any current.



Score the abundance of each group of animals and plants **in each habitat** alongside the name. In the blank spaces list the seaweeds & animals which you were able to identify **positively** from the different habitats. Use latin names if possible, but if you don't know them, common or descriptive names are acceptable. If you are not 100% sure about any, add a question mark. Do not enter names as guesses - it's better to exclude them than to include incorrect identifications. Give abundances in the columns: **Super abundant**, **Abundant**, **Common**, **Frequent**, **Occasional** & **Rare**. If you did not note abundances, simply enter a **P** for Present. Continue on a separate sheet, if necessary. If you have a protograph of the species tick the **ph** column.

Commune on a separate sheet, il necesse		KACA							
A Company of the Comp	ph	1	2	3	THE STATE OF THE STATE OF	ph	1	2	3
sponges					echinoderms		/		
Suberiles carnosis	1		0		echinus esculanus	~	F	0	
Suberles ficus	1		0		Asierias Robers (+)			F	
Sobenles massa.					Andodous bilida			Ė	
					pohia roidea Co.			R	
					widia Cilians			0	
	_				ATTION CHIEF	Ť,		K	_
	+		-	_	Agreportor regions Marthasterias Clas	4		0	_
					warringstenas Llag.			0	
cnidarians: hydroids, anemones, corals,	<u> </u>				sea squirts				
Cenantis Updul	~	1	Ŏ		Ascid lella aspersa	~		C	
Cyanan capitala.	4	R	R.		Ascidia Mentula		C	0	
Activia aquina	V	R			Corella paralleogramua	4		0	
·· · · · ·					Di Alashana Stranton	V		0	
					Acadia I loca co			e	
					Diploshama Epreyon Ascidia Virgines			~	
					C-L				
					fishes	_			_
			$\vdash$		GobiusCols Havescers	4		0	
					Gobiuscols Havesons			0	
vorms					Gadus Morhua	4		R	
Teribellid wom			C		Gadus Morhia Publis gunnelliss Susata Pollachius Virens	V		R	
Chaetopleius			0		Skrive				
Spirorbis sp.		F			Pollar Live Vinence		٦		
		•			TOTAL STATE OF THE				
crustaceans					seaweeds				
					seaweeds	$\mathcal{A}$	_	-	_
Page Sp.	-		R		Camina a hyperman	_	С	F	
Pagens Sp. Liocorcinus depurabi	1		R		Caminara hypertoras	_/	C	F	
Macropadice Sp.	V	,	Ö		Dictouble alcohua	1	/	R	
machine So.		,	R		Corda filom.	7		F	
Nachus Sp. Nacora Puba	19		0		DEA frak en (no)me	V	. =	•	
100					FULLY SERATUS		E		
						_			
nolluscs									
Gibbla Magos			0						
Philips aporta	V,		AC						
Philipe aporta Acurobranchos Membanara	U)	<u></u>	AC 2			_			
Peetin Maxima	1		8						
			0		other or centinuations	-		-	_
typikla se	-				other or continuations	_			
White Apolida?			R			-			
ryozoans									
						_			_
					Continue on a separate sheet if you no	ed to	į.		

Once completed return the form to the Dive Organiser or to Seasearch, Marine Conservation Society, Over Ross House, Ross Park, Ross-on-Wye, Herefordshire, HR9 7QQ.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. They will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public through the Seasearch and NBN websites. If you do not agree with this use of the data do not submit the form.

4

### SEASEARCH SURVEY FORM

Form No (leave blank) 5w18-109



•	If anything	is	unclear	nlease	refer t	n the	Guidance	Notes

• Each pair of divers should complete a form between them

• Please complete all parts of the form. Where there is a \* only fill in the information if you know it.

Validated by	Date 21/	Colf Entered by		Date MR Reference	
Recorder leave blan	k - for Seasearch use				
Your details					
	p.v.s				
Dive/Site detail	A A SOTH WI M	ist Moral ! and	us a'mull	Date of dive: 33 dd / 09 m	m / 2.1.6 va
Conoral location	noj stonica	1 To all the	no h	Date of dive: 23 dd / 09 m Start of dive: 15:17	(24hr)
General location	Summer Ille	Janem Wat		Dive duration:	40 (mins)
	h of Sronna N West side of Summer Isles Hyphland.			Sea temperature:	1 2 °c
	s and decimal minutes -			Underwater visibility:	/5 m
	Latitude	Longitude	WorE	Drift dive?	yes / no)
Centre of site	58° W.530	65° 25.253	W	Night dive?	yes / no
For drift dives				Did you or your buddy take any o	of the following?
From	0 .	0 .		100 CHOOL OF THE CONTROL OF THE CONT	ente funcionale di 1900 de la constitució de la
То	0 .	0 .		photographs	yes / no
Or OS Grid Ref	erence			video footage specimens	(es/no yes/no
Position derived	from: (circle)	GPS Datur	m (circle)	seaweeds for pressing	yes / no
GPS Chart	OS map Web ma	apping WGS84	OSGB36		25
Exposure of site	e: extremely exposed	□ v exposed□ e	xposed	For the area surveyed, what was	
	sheltered v sl		ered	the shallowest depth? (m)	bsl bcd
Max tidal stream	n:			the deepest depth? (m) 21	bslbcd
>6kt 3-6l	kt 1-3kt	<1kt v. we	ak 🖳 🔠	Tidal correction to chart datum	m*

Seabed summary

Summarise: a. The main features of the site, b. Any unusual features or species, c. Any human activities or impacts
at the site
Bedrich clif to 12 m, then gentle shother slipe on shelly sand to 1 hm then sleeper hallder slipe to limits of suncy at 21m. Large Parastrihopus holdshunan at 19 m, large number of manida negrou commenzar Lordclers
5 leeper halleler slipe to limits of suncy at 21m. Large Privastruhopus
1 is 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
hillithuman it 13 m, carge mining raying earnings some cers
al- 18m. Fish form 10 NW.

#### **Habitat descriptions**

Complete a box below for each **habitat** you found on your dive. Normally the shallowest habitat is No. 1 even if you have done the dive deepest first. Each written description should tally with the information entered in the columns and diagrams on the next page. If you found more than 3 habitats, continue your descriptions on another form. Tick boxes where shown, and insert percentages (they must add up to 100%) or assign a score from 1-5 as appropriate. If you are uncertain leave the box blank. The biotope code will be assigned later from your description.

Ruhy reef with	cal + community) L. hypu	
	Bioto	ope Code
Seabed type: rock bould	ders cobbles pebbles gravel	sand mud wreckage other
Communities: kelp forest	kelp park mixed seaweeds	seagrass bed enc pink algae
animal turf	animal bed	sediment with life barren sediment
2. DESCRIPTION (physic	cal + community)	
Hand sand will	h wholes and head look is	in bands. red algae on soulders
Pierra Scena War	( ( COO CA CAND DOWNOWN) V	m sunar. Jes argae in sonwers
		ope Code
Seabed type: rock bould	ders cobbles pebbles gravel	ope Codesandmudwreckageother
Seabed type: rock bould  Communities: kelp forest	ders cobbles pebbles gravel	sand mud wreckage other seagrass bed enc pink algae
1940	ders cobbles pebbles gravel	sand mud wreckage other
Communities: kelp forest	ders cobbles pebbles gravel kelp park mixed seaweeds animal bed	sand mud wreckage other seagrass bed enc pink algae
Communities: kelp forest animal turf	ders cobbles pebbles gravel kelp park mixed seaweeds animal bed	sand mud wreckage other seagrass bed enc pink algae
Communities: kelp forest animal turf	ders cobbles pebbles gravel kelp park mixed seaweeds animal bed	sand mud wreckage other seagrass bed enc pink algae
Communities: kelp forest animal turf	ders cobbles pebbles gravel kelp park mixed seaweeds animal bed	sand mud wreckage other seagrass bed enc pink algae
Communities: kelp forest animal turf	ders cobbles pebbles gravel kelp park mixed seaweeds animal bed	sand mud wreckage other seagrass bed enc pink algae
Communities: kelp forest animal turf	ders cobbles pebbles gravel kelp park mixed seaweeds animal bed	sand mud wreckage other seagrass bed enc pink algae
Communities: kelp forest animal turf	ders cobbles pebbles gravel kelp park mixed seaweeds animal bed cal + community)	sand mud wreckage other seagrass bed enc pink algae sediment with life barren sediment
Communities: kelp forest animal turf  3. DESCRIPTION (physical description)	ders cobbles pebbles gravel kelp park mixed seaweeds animal bed cal + community)	sand mud wreckage other seagrass bed enc pink algae sediment with life barren sediment
Communities: kelp forest animal turf  3. DESCRIPTION (physical description)	ders cobbles pebbles gravel kelp park mixed seaweeds animal bed cal + community)  Bioto ders cobbles pebbles gravel	sand mud wreckage other seagrass bed enc pink algae sediment with life barren sediment

1	2	3	
	m		DEPTH LIMITS
0	10		Upper (from sea level) (i.e. minimum)
10	21		Lower (from sea level) (i.e. maximum)
			Upper (from chart datum) *
			Lower (from chart datum) *

	%		SUBSTRATUM		
100			Bedrock type?:		
			Boulders - very large > 1.0 m		
	10		- large 0.5 - 1.0 m		
	0.6		- small 0.25 - 0.5 m		
	10		Cobbles (fist - head size)		
			Pebbles (50p - fist size)		
			Gravel - stone		
			- shell fragments		
140			Sand - coarse		
	10		- medium		
	10		- fine		
			Mud		
			Shells (empty - or as large pieces)		
			Shells (living - eg mussels, limpets)		
			Artificial - metal		
			- concrete		
			- wood		
			Other (state)		
100	100	100	Total		

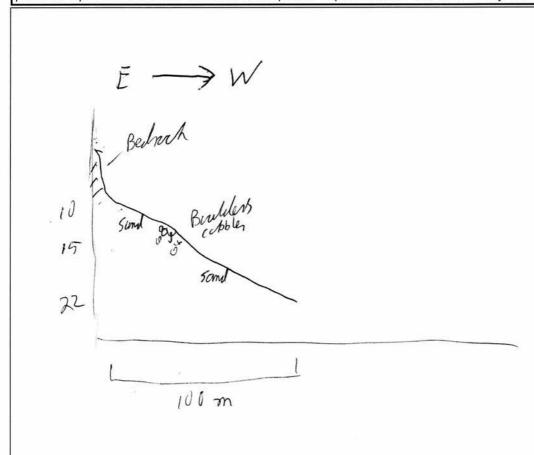
1	2	3		
	1-5		FEATURES - RO	CK (all categories)
RI			Relief of habitat	(even - rugged)
2			Texture	(smooth - pitted)
			Stability	(stable - mobile)
l			Scour	(none - scoured)
2			Silt	(none - silted)
2			Fissures > 10 mm	(none - many)
2			Crevices < 10 mm	(none - many)
rt	2		Boulder/cobble/pe	bble shape (rounded - angular)
			Sediment on rock?	? (tick if present)

✓	FEATURES – SEDIMENT (1)
	Mounds / casts
-	Burrows / holes
	Waves (>10 cm high)
	Ripples (< 10 cm high)
	Subsurface coarse layer?
	Subsurface anoxic (black) layer?

1-5	FEATURES – SEDIMENT (2)
2	Firmness (firm - soft)
2	Stability (stable - mobile)
2	Sorting (well - poor)

Sketches and plans

Draw a **profile and/or plan** of the sea bed you encountered on your dive in the space below. Mark (& number) the different habitats, corresponding to the written descriptions on p.2. Indicate conspicuous and/or characteristic species. Make sure you include **depth(s)** (vertical axis) and a **distance** scale (horizontal axis) for a profile and scale and north point for a plan. Indicate the direction of the profile or plan and the direction of any current.



Score the abundance of each group of animals and plants **in each habitat** alongside the name. In the blank spaces list the seaweeds & animals which you were able to identify **positively** from the different habitats. Use latin names if possible, but if you don't know them, common or descriptive names are acceptable. If you are not 100% sure about any, add a question mark. Do not enter names as guesses - it's better to exclude them than to include incorrect identifications. Give abundances in the columns: **S**uper abundant, **A**bundant, **C**ommon, **F**requent, **O**ccasional & **R**are. If you did not note abundances, simply enter a **P** for Present. Continue on a separate sheet, if necessary. If you have a photograph of the species tick the **ph** column.

	ph	1	2	3		ph	1	2	3
sponges					echinoderms				
					Antesian Safulia Lucia calians Perania puliallus Asterias rubins Markasiena, glacials		F	9	
					Lurgin erleam		180	9	
					Personal Pulmelus			R	
					Asserias rubers		U	0	
					Marchaniena dunch		B	U	
					Parastriction gracials  Ophium alorg  Echinus esculeus  Parastrictiopis (remulus  sea squirts	$\vdash$		0	$\vdash$
			1		30 hand of back			0	
					I changes Ostudante	1	B	ð	
	+		1		Parallachopus (remulus		-	R	
cnidarians hydroids anemones corals	+		1		sea squirts	1	t	7.5	
Amberlan botanta	192				Drove mu CP	2	0		$\vdash$
Abolic desirio	+	F	+	<del>                                     </del>	Profusque sp Asuchella aspersa	-	13	F	
As been consumer,	-		-		Asmaline asperse		13	1	
Cnidarians: hydroids, anemones, corals, Antedon before Obelia geniculary Ashroeden metyakang	+							-	
La contra production	+								
					fichos				
	+		-		fishes	-	_	12	-
	+		-		1 drachus po aurun	-	A N	F	
				2	Pollulary virans		14	P	
worms			-	-	Gobing whis fluresiens	a	8	-	_
fell winds		F	-		Labrus beryy to	9	0	-	_
Leve worms Laure Conshileya	+	F	-		PMachius polluchus PMachius virens Gabrus whus fluvesiens Lubrus beryy 44 Philis gurrellus		1/2	R	_
crustaceans	+				seaweeds				
Munida myska			F		Laminana hurebisea	4	A		
10,000					Savorhisa Polys	1	C		
	1				Laminana hyretirea Sucorhiza Petys Franklisen red		4		
					enousting push	M	~		
					process of process		-		
	+-								
molluscs									- 19
Tropulu comanu		U							
Perly muxmy			0						
	+				other or continuations				
					Asmperten megulan				
h					, , , , , ,				
Membranipina numbranaseu		F							
THE THE PARTY OF THE PROPERTY OF THE PARTY O									
				L					
	+		-	-					
	-		+	-	Continue on a separate sheet if you r		_	1	_

Once completed return the form to the Dive Organiser or to Seasearch, Marine Conservation Society, Over Ross House, Ross Park, Ross-on-Wye, Herefordshire, HR9 7QQ.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. They will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public through the Seasearch and NBN websites. If you do not agree with this use of the data do not submit the form.

Validated by 0.P

### SEASEARCH SURVEY FORM

Form No (leave blank)



• If anything is unclear please refer to the Guidance Notes

11

• Each pair of divers should complete

· Please complete all parts of the for only fill in the information if you kno

d complete a form between them of the form. Where there is a * if you know it.		www.seasearch.org.uk
Date 29/10/14 Entered by	Date	MR Reference

Recorder leave blan	k - for Se	easearch use					
Your details							
Dive/Site detai	ls					V	
Site name	in a	Ehnic	<u>.</u> .	(EHUIC	)	Date of dive: 23 dd / 09 mm /	18 yy
General location	ou	umer 1	des	Start of dive: 14:31	(24hr)		
	n	ester &	05,0			Dive duration: 43	(mins)
		lightan	ol Ke	gon		Sea temperature: 12	°c
Position (degree	s and de	cimal minutes –	state if	in any other for	mat)	Underwater visibility: 5	m
	L	atitude	L	ongitude	W or E	Drift dive?	yes (no
Centre of site	0	Ģ	0			Night dive?	yes (no)
For drift dives	-0	- A - A - A - A - A - A - A - A - A - A	~	00 101	W	Did you or your buddy take any of the	following?
From	580	01.650	050	25.431		AB 0200 00 1000	
То	58°	00.058	05°	25.551	W	photographs	yes// no
Or OS Grid Refe	erence					video footage specimens	yes (no)
Position derived	from:	(circle)		GPS Datur	m (circle)	seaweeds for pressing	yes (no)
GPS Chart	OS ma	ap Web ma	apping	(WGS84)	OSGB36		. 0
Exposure of site	: extren	nely exposed	□ v e	xposed e	xposed	For the area surveyed, what was	
mod exposed		eltered v sh			ered	the shallowest depth? (m) 1.0 bs	slbcd
Max tidal stream	n:/	_		_	_	the deepest depth? (m) 8.5 bs	slbcd
>6kt 3-6l	kt 🔽	1-3kt 🗀	<1kt	U v. we	Tidal correction to chart datum	m*	

#### Seabed summary

Summarise: a. The main features of the site, b. Any unusual features or species, c. Any human activities or impacts
at the site
a) Drop onto pale, coarse sand/gravel/shell hagment near that
a) Drop onto pale, coarse sand/gravel/shell hagment near flat sea bed with mobile echinoderms, crabs, Kelp mixed low red/
green orsan alipse.
b) Stalked jelly.
c) No litter

#### Habitat descriptions

Complete a box below for each **habitat** you found on your dive. Normally the shallowest habitat is No. 1 even if you have done the dive deepest first. Each written description should tally with the information entered in the columns and diagrams on the next page. If you found more than 3 habitats, continue your descriptions on another form. Tick boxes where shown, and insert percentages (they must add up to 100%) or assign a score from 1-5 as appropriate. If you are uncertain leave the box blank. The biotope code will be assigned later from your description.

4 DECODIDEION / L L L L
1. DESCRIPTION (physical + community)
Steep slope of large boulders of against bedrock wall.  Kelp part at base rapidly becoming kelp brost. DMF & plumose with P.E.A and welins.
Vile not at base would be ming kelp brost. DMF + plumose
A CEA
with P. I. H and welling.
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae enc pink algae
animal turf animal bed sediment with life barren sediment
2. DESCRIPTION (physical + community)
Near list seabed of pall sand (coarse) / gravel / shell
hagments. Kelp and mixed low sea weeds.
hagners. Leip alle
Starfish e aalos beading across.
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae
animal turf sediment with life barren sediment
3. DESCRIPTION (physical + community)
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other

Qual coul

1	2	3	
	m		DEPTH LIMITS
1.0	7.0		Upper (from sea level) (i.e. minimum)
7.0	8.5		Lower (from sea level) (i.e. maximum)
			Upper (from chart datum) *
			Lower (from chart datum) *

%			SUBSTRATUM
30			Bedrock type?:
50			Boulders - very large > 1.0 m
20			- large 0.5 - 1.0 m
			- small 0.25 - 0.5 m
			Cobbles (fist - head size)
			Pebbles (50p - fist size)
	30		Gravel - stone
	50		- shell fragments
	20		Sand - coarse
			- medium
			- fine
	34.5		Mud
			Shells (empty - or as large pieces)
			Shells (living - eg mussels, limpets)
			Artificial - metal
			- concrete
			- wood
			Other (state)
100	100	100	Total

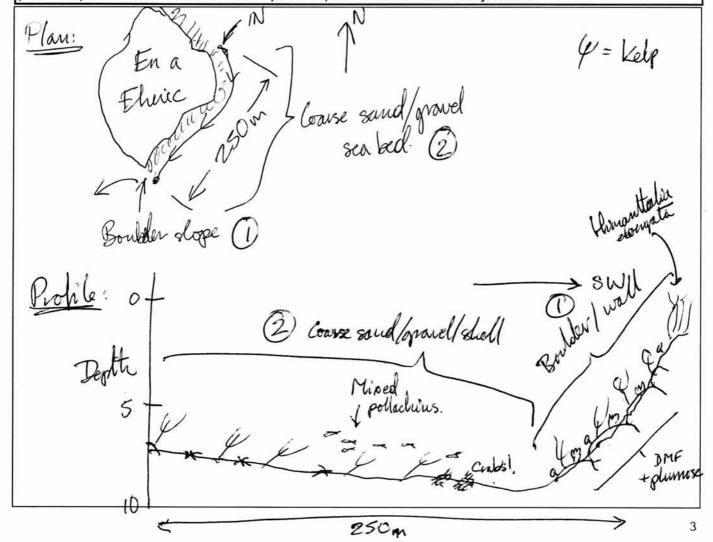
1	2	3		
	1-5		FEATURES - ROCK (all categories)	
3			Relief of habitat (even - rugged)	
2			Texture (smooth - pitted)	
			Stability (stable - mobile)	
(			Scour (none - scoured)	
			Silt (none - silted)	
3			Fissures > 10 mm (none - many)	
2			Crevices < 10 mm (none - many)	
2			Boulder/cobble/pebble shape (rounded - angula	r)
			Sediment on rock? (tick if present)	

1	FEATURES - SEDIMENT (1)
	Mounds / casts
	Burrows / holes
	Waves (>10 cm high)
	Ripples (< 10 cm high)
	Subsurface coarse layer?
	Subsurface anoxic (black) layer?

1-5	FEATURES - SEDIMENT (2)	
2	Firmness (firm - soft)	
8	Stability (stable - mobile)	
3	Sorting (well - poor)	

#### Sketches and plans

Draw a **profile and/or plan** of the sea bed you encountered on your dive in the space below. Mark (& number) the different habitats, corresponding to the written descriptions on p.2. Indicate conspicuous and/or characteristic species. Make sure you include **depth(s)** (vertical axis) and a **distance** scale (horizontal axis) for a profile and scale and north point for a plan. Indicate the direction of the profile or plan and the direction of any current.



Score the abundance of each group of animals and plants **in each habitat** alongside the name. In the blank spaces list the seaweeds & animals which you were able to identify **positively** from the different habitats. Use latin names if possible, but if you don't know them, common or descriptive names are acceptable. If you are not 100% sure about any, add a question mark. Do not enter names as guesses - it's better to exclude them than to include incorrect identifications. Give abundances in the columns: **Super abundant**, **Abundant**, **Common**, **Frequent**, **Occasional** & **Rare**. If you did not note abundances, simply enter a **P** for Present. **Continue** on a separate sheet, if necessary. If you have a photograph of the species tick the **ph** column.

		400	Sand						
THE RESERVE AND ADDRESS OF THE PARTY OF THE	ph	1	2	3	the second second section in the second second	ph	1	2	3
sponges					echinoderms				
					Marthasterias Glas.	4	O	0	
					Astorias Rubbis	1	0	0	
					Aquipoten Ingulais Luidia Saccillars Edulus escolatos	1		R	
					Loidia succillians			0	
					Echinus escularity	J.	F		
	1				Henrica co		10		
	1				Henrica sp.	1		4	
40					PILAS.			-	
anidariana, hudraida anamanaa aarala					and aquirta				
cnidarians: hydroids, anemones, corals,	1	<u> </u>			sea squirts. As Cidilla aspersa Oiplostones Sporgy be	1	A		_
cerianthis Uaddi	1200	_	6	_	As control control	7	E.	9	_
Lixernanopis Chibitationicss metridium dianthis	1		R		Dibrogrand Fredher	V /	+	1	
metridium alanthus	1	0			Ascidia virgina	-		R	
0184					U				
Alcyonium digitation	1	0							
	$\vdash$				fishes				
	+				Pollachius Viners			C	
	1			_	Coll cours luce			R	
worms					Callingues lyra Pollaches Pollacius	1	7,45		
worms	-		-		Tollaches Follectes			CR	
Lance Conchileger	1	_	0		Pholis gunnellus	1		K	_
Spromuelus	1		0						
U .	-								_
	+								
crustaceans	,				seaweeds				
Necora Pober		0	0		Laurieren hyportonea		Α	0	
Hyas Areneas		R	0		Sacchagnalatssing		Δ	C.	
HUGS ACOMORS		0			Alua Ca	1		0	
PagarsSp			0		Alvasp		_		
pagessp	<b>—</b>				0-001-104 50	1		0	
	-		-	_	Porphyra sp.	1		R	
	-			_	Pilsea Carnosa	_		5	
					Scinia sp.	2	_	R	
			_		Ulva	1	0		
molluscs	1				Himanthalia elongala	~	F		
Wibbyla Cunorna		1	0						
(alishma Zizyphinum Lucura VIncha Scallop Sp (Joviale) Poctem Maximus			0						
LUCUNA VINCTE.	1		0						
Scallag So Changle	1		R						
Postery Maximiles	1		R		other or continuations				
Tectes (Maximus)									
hnozoone									
bryozoans Mey branipora Menbances	1				-	$\vdash$			
of the contract of the contrac	1		CE			$\vdash$		$\vdash$	
Electra Pilosa	1		۴						-
12					2				
					Continue on a separate sheet if you n	eed to	)		

Once completed return the form to the Dive Organiser or to Seasearch, Marine Conservation Society, Over Ross House, Ross Park, Ross-on-Wye, Herefordshire, HR9 7QQ.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. They will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public through the Seasearch and NBN websites. If you do not agree with this use of the data do not submit the form.

Thank you for completing this form

All that's left for you to do is to either hand it to the Dive Organiser or fold it into thirds along the dotted lines, tuck one part into the other, add a stamp and send it off.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. It will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public. If you do not agree with this use of the data do not submit the form.

for Seasearch use only	validated by	0.0	date	24/10/18
•	entered by	F	date	
	MarRec No	100		

Please affix stamp here

Seasearch
Marine Conservation Society
Unit 3, Wolf Business Park
Alton Road
Ross-on-Wye
Herefordshire
HR9 5NB

second fold and tuck in



Seasearch is a joint project co-ordinated by the Marine Conservation Society and supported by: The Wildlife Trusts, Natural England, Countryside Council for Wales, Scottish Natural Heritage, Northern Ireland Environment Agency, Joint Nature Conservation Committee, Environment Agency, Marine Biological Association (*MarLIN*), British Sub-Aqua Club, Professional Association of Diving Instructors, Scottish Sub-Aqua Club, Sub-Aqua Association, Irish Underwater Council and the Nautical Archaeology Society.



Record no (recorder leave blank)

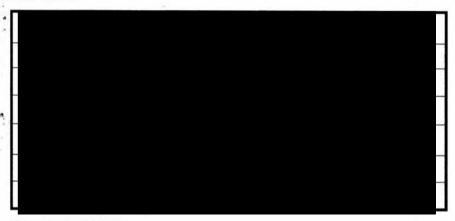
## Seasearch Observation Form



This form asks for two types of information from your dive - what the seabed was like and what marine life you saw. Please read the guidance notes before completing the form. By completing this form you will be adding to our knowledge of the marine environment - helping it to remain fit for life!

Please complete the following sections in a black neg and BLOCK.

Please complete the following sections in a black pen and BLOCK CAPITALS



Site Name	Date of Dive 33 109 118
MARKE BOAR	Start of dive ([: 15 (24hr)
TANKER BEG.	Dive duration +0 (mins)
General Location	Max depth of survey 10 m
Sommer isces	Sea Temperature 12 °C
Highland Region	U/W visibility & m
Position at start of dive (degrees & decimal minute	s only) or OS Grid Reference
58° \$ 0296 N 5° 26.43	2 letters (1 in Ireland), 6 numbers
Position derived from (circle)  GPS Chart OS Map Web mapping site	Drift dive? yes /no Night dive? yes /no
Did you take any photographs? yes /	or video footage?

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

7.7	ease tick all that you saw and cires and Pebbles Mixed Ground  Sual or noteworthy Was		Other Six 7
W	nat marine life did you s	ee on your dive?	SI3 CLYA
Seabed cover types (tick all th	\$75.5 	Species you saw	
Kelp forest	Animal turf on rocks	Show abundance of each species as Occasional, Common, or if you're unsure,  Species	
		Ascident Askalsa Lvia. Cilipalis	0 3
Kelp park	Tall	CALIBROAN BEIPHAIN CATIOLA SO  CALIBROAN A TROUBONIE	BC
Mixed seaweeds	Animal Beds (e.g. mussels, brittlestars, scallops - state which)	GIBBURT UNBINICALIS CHANGA LAMARCKIS BOTRYLIUS SP LAMINIACA LAMARBORA	JOBOO S
Encrusting pink algae	Sediment with life apparent	LANICE CONCEILEURA LANICE CONCEILEURA LORANIA PLUILLUS	0 2 2
Barren sediment	(tubes, burrows etc)	MACLOBODA SE NULA PUBER PATRANUS SE ANTERNAL RIGINA	Secretary Secretary
(no life or structures apparent)	Illustrations by Bob Foster-Smith	ANATOSCHISTUS PLANS CHITON MANDA SPLINS	S \$5,

### SEASEARCH SURVEY FORM

Form No (leave blank)

Sin	15/10	6
/"	10/10	~



•	If	anything	in	unalaar	nlagge	vafar	to the	Cuidanaa	
•	11	arryuning	15	unclear	please	relei	to the	Guidance	Notes

- Each pair of divers should complete a form between them
- Please complete all parts of the form. Where there is a \* only fill in the information if you know it.

Offiny fill in title if	normation ii you kik	JW IL.		-		
Validated by	Date	Entered by		Date	MR Reference	
Recorder leave blan	k - for Seasearch use					
Your details						
Dive/Site detail	s					
Site name Se	ruth bay -T	anera Bec	+	Date of dive:	23 dd/09 mm/	18 yy
General location	Mol Page	Bacag (	)	Start of dive:	(0:30	(24hr)
Summer	· Isles, Wes	ter Poss,		Dive duration:	<u> </u>	(mins)
Highla	ud Region.			Sea temperate		°c
Position (degrees	s and decimal minutes –		0.000 16-1	Underwater vi	sibility: 8	m
0 1 6 3	Latitude	Longitude	W or E	Drift dive?		yes (no)
Centre of site				Night dive?	to distribute ports	yes (no)
For drift dives From	58 00 282	05. 26.563	N	Did you or you	ir buddy take any of the	e following?
То		05. 26.461	W	photograpi	าร	(yes) no
Or OS Grid Refe				video foota	ige	yes no
Position derived		GPS Datur	n (circle)	specimens	for proceing	yes (ho)
GPS Chart	OS map Web ma		OSGB36	seaweeus	for pressing	yes /(no∕
Exposure of site	: extremely exposed	v exposed e	xposed	For the area s	urveyed, what was	
mod exposed	, · —			the shallowes		slbcd
Max tidal stream	n:/			the deepest d	epth? (m) [15.8] b	slbcd
>6kt 3-6k	t	<1kt v. we	ak 🗌 💮	Tidal correction	n to chart datum	m*
Seabed summa	ary					
Summarise: a. 7	The main features o he site	f the site, b. Any unu	ısual featur	es or species, c	. Any human activities o	or impacts
\ \ \ \	De la casa	Culad b	u bed	lock was	I down to	-
a) bould	der storpe	( backer of	3		and Consumer	l ber-
coarse	band/grave	el seubed;	o (not	suvey	d) down to ed). Covered	
I an B	west about	e 10-12m	^-	_ Al		
Key V	ned tickle	back + st.	alked (	seller.		
b) 15 sp	ned shirt	- X				

#### Habitat descriptions

Complete a box below for each **habitat** you found on your dive. Normally the shallowest habitat is No. 1 even if you have done the dive deepest first. Each written description should tally with the information entered in the columns and diagrams on the next page. If you found more than 3 habitats, continue your descriptions on another form. Tick boxes where shown, and insert percentages (they must add up to 100%) or assign a score from 1-5 as appropriate. If you are uncertain leave the box blank. The biotope code will be assigned later from your description.

1. DESCRIPTION (physical + community)	Į
Boulder slope with kelp cover - Commond sock , law hyp	rov.
Biotope Code	
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other	
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae	
animal turf animal bed sediment with life barren sediment	П
2. DESCRIPTION (physical + community)	
Biotope Code	
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other	
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae	
animal turf sediment with life barren sediment	
DESCRIPTION (physical + community)	
Biotope Code	$\neg$
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other	
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae	_
animal turf animal bed sediment with life barren sediment [	

Boulder

1	2	3	
	m		DEPTH LIMITS
4.0			Upper (from sea level) (i.e. minimum)
15.8			Lower (from sea level) (i.e. maximum)
			Upper (from chart datum) *
			Lower (from chart datum) *

%			SUBSTRATUM		
			Bedrock type?:		
80			Boulders - very large > 1.0 m		
15	wiii		- large 0.5 - 1.0 m		
5			- small 0.25 - 0.5 m		
			Cobbles (fist - head size)		
			Pebbles (50p - fist size)		
			Gravel - stone		
			- shell fragments		
			Sand - coarse		
			- medium		
			- fine		
	-		Mud		
			Shells (empty - or as large pieces)		
			Shells (living - eg mussels, limpets)		
			Artificial - metal		
			- concrete		
			- wood		
			Other (state)		
100	100	100	Total		

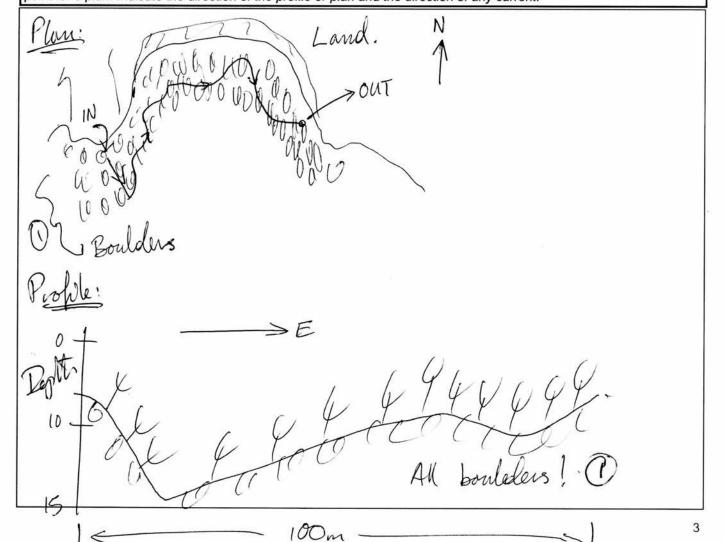
1	2	3		
	1-5	,	FEATURES - ROCK	K (all categories)
2.				(even - rugged)
2				smooth - pitted)
			Stability (s	stable - mobile)
1			Scour (r	none - scoured)
1			Silt	(none - silted)
4			Fissures > 10 mm	(none - many)
1			Crevices < 10 mm	(none - many)
2			Boulder/cobble/pebl	ble shape (rounded - angular)
			Sediment on rock?	(tick if present)

1	FEATURES - SEDIMENT (1)
	Mounds / casts
	Burrows / holes
	Waves (>10 cm high)
	Ripples (< 10 cm high)
	Subsurface coarse layer?
	Subsurface anoxic (black) layer?

1-5	FEATURES - SEDIMENT (2)
	Firmness (firm - soft)
	Stability (stable - mobile)
	Sorting (well - poor)

#### Sketches and plans

Draw a **profile and/or plan** of the sea bed you encountered on your dive in the space below. Mark (& number) the different habitats, corresponding to the written descriptions on p.2. Indicate conspicuous and/or characteristic species. Make sure you include **depth(s)** (vertical axis) and a **distance** scale (horizontal axis) for a profile and scale and north point for a plan. Indicate the direction of the profile or plan and the direction of any current.



#### **Species List**

Score the abundance of each group of animals and plants in each habitat alongside the name. In the blank spaces list the seaweeds & animals which you were able to identify positively from the different habitats. Use latin names if possible, but if you don't know them, common or descriptive names are acceptable. If you are not 100% sure about any, add a question mark. Do not enter names as guesses - it's better to exclude them than to include incorrect identifications. Give abundances in the columns: Super abundant, Abundant, Common, Frequent, Occasional & Rare. If you did not note abundances, simply enter a P for Present. Continue on a separate sheet, if necessary. If you have a photograph of the species tick the ph column.

		geren .							
	ph	1	2	3		ph	1	2	3
sponges					echinoderms		,		
					Echinus escularlus	/	F		
					Asterias Rubers Martha Sterias ala. Porania Mivillus	1	0		
					Martha Stenas, ala.	V	0		
					Porania Politicos		R		
									Ĵ
477	-								
cnidarians: hydroids, anemones, corals,	1				sea squirts	1	_		
Obelia geniculata.	1	0			Diplosoma Sovyy lon	~	F		
Lucernago às Criximelitan	S	Ó							
Lucernançàs (nximeliten Asrelia Alvite		0							
NA	+								
					fishes				
					Paraclary lax northerics	1	0		
	+		-		Control Volumes	5	R		
worms	+	_			Source of the second		R	_	
worms	+				Gobinsculus flabscens Soina chia Spirachia Pollachius follachus	1		_	_
	-				Pollachius Virens	1	5	_	
	+	_	-		Pollacias vireos		<u></u>	-	
crustaceans	+	,			seaweeds				
Cancer Pagosos		0			Laminarra hyperbores		A		
Nocora Puber	1	0			Saccharing lassing	V	A		
Homorus Gammarus	13	e	-		PEA encousing	5	A		
THINGS CS GUMUNCOS	+	7			REA enonymy		2		
					ICEN EVERYPHY				
molluscs									
Cibbola Cinneria	1	71							
Calistona Zizuphinum		8							
Calistana Zizuphinum Cibbula pubilidalis							13		
Cacuna Vincta		0					1		
					other or continuations		- 9		
bryozoans									
Membranipora hambranace	9	ر							
Objection of	1. 1	F							
erecha prosq	1	-							
8			- 1						
					Continue on a separate sheet if you n	and to			

Once completed return the form to the Dive Organiser or to Seasearch, Marine Conservation Society, Over Ross House, Ross Park, Ross-on-Wye, Herefordshire, HR9 7QQ.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. They will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public through the Seasearch and NBN websites. If you do not agree with this use of the data do not submit the form.

Thank you for completing this form

All that's left for you to do is to either hand it to the Dive Organiser or fold it into thirds along the dotted lines, tuck one part into the other, add a stamp and send it off.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. It will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public. If you do not agree with this use of the data do not submit the form.

for Seasearch use only	validated by	N	date	2614114
	entered by		date	
	MarRec No			

irst fold

Please affix stamp here

Seasearch Marine Conservation Society Over Ross House, Ross Park Ross-on-Wye Herefordshire HR9 7QQ

second fold and tuck in



Seasearch is a joint project co-ordinated by the Marine Conservation Society and supported by: The Wildlife Trusts, Natural England, Countryside Council for Wales, Scottish Natural Hentage, DOE Northern Ireland, Joint Nature Conservation Committee, Environment Agency, Marine Biological Association, British Sub-Aqua Club, Professional Association of Diving Instructors, Scottish Sub-Aqua Club, Sub-Aqua Association, Irish Underwater Council and the Nautical Archaeology Society.

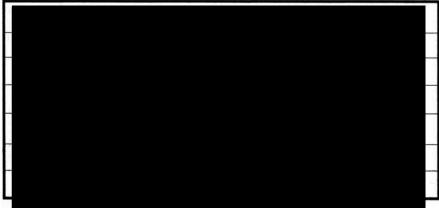
Record no Sw18/105

# Seasearch Observation Form



This form asks for two types of information from your dive - what the seabed was like and what marine life you saw. Please read the guidance notes before completing the form. By completing this form you will be adding to our knowledge of the marine environment - helping it to remain fit for life!

Please complete the following sections in a black pen and BLOCK CAPITALS



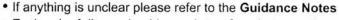
Site Name	Date of Dive 2219 118
TANGER BLOR	Start of dive 13:30 (24hr)
TRUCKS BLOR	Dive duration (4'.00 (mins)
General Location East & Extern Mu	Max depth of survey $9.6$ m
Summer 1sces	Sea Temperature () °C
1,523	U/W visibility 🖺 m
Position at start of dive (degrees & decimal min	or OS Grid Reference
Position at end of dive (if different only)  Selo Selo Selo Selo Selo Selo Selo Selo	2 letters (1 in negato), 6 humbers
Position derived from (circle)  CPS Chart OS Map Web mapping si	Drift dive? yes / 60
Did you take any photographs? (ves b	no or video footage? ves no

**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.

what marine life did you see on your dive?  Species you saw  Species you saw  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Saddment with life apparent (tubes, burrows etc)  Security of seabed present: (please tick all that you saw and circle the dominant one)  Was there any littler or were there any manobjects apparent?  Was there any littler or were there any manobjects apparent?  Species you saw Show abundance of each species as Occasional, Common, or if you're unsure, P	Other
week of seabed present: (please tick all that you saw and circle the dominant one)  ky Reef Boulders Cobbles and Pebbles. Mixed Ground Sand and Gravel Mud Wreckage  you notice anything unusual or hoteworthy Was there any litter or were there any manobjects apparent?  What marine life did you see on your dive?  Species you saw Show abundance of each species as Occasional, Common, or if you're unsure, P  Short Species  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Graph	w
weeds  Animal Beds (e.g. mussels, brittlestars, scalops - state which)  Pagrass Bed  Boulders Cobbles and Pebbles Mixed Ground Sand and Gravel Mud Wreckage  Was there any litter or were there any manobjects apparent?  Was there any litter or were there any manobjects apparent?  Was there any litter or were there any manobjects apparent?  Species you saw Show abundance of each species as Occasional, Common, or if you're unsure, Personal Common, or	w
weeds  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Best of seabed present: (please tick all that you saw and circle the dominant one)  Was there any litter or were there any manobjects apparent?  Was there any litter or were there any manobjects apparent?  Was there any litter or were there any manobjects apparent?  Was there any litter or were there any manobjects apparent?  Was there any litter or were there any manobjects apparent?  Species you saw Show abundance of each species as Occasional, Common, or if you're unsure, P  Species  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Sediment with life apparent (tubes, burrows etc)  Sediment with life apparent (tubes, burrows etc)	w
weeds  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Sed cover types (tick all those present)  Short  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Sed cover types (tick all those present)  Species you saw Show abundance of each species as Occasional, Common, or if you're unsure, P  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Sediment with life apparent (tubes, burrows etc)	Other
What marine life did you see on your dive?  Species you saw Show abundance of each species as Occasional, Common, or if you're unsure, P  Species	made
Species you saw Show abundance of each species as Occasional, Common, or if you're unsure, P  Species  Species  Show abundance of each species as Occasional, Common, or if you're unsure, P  Species  Sp	
Species you saw Show abundance of each species as Occasional, Common, or if you're unsure, P  Species  Species  Show abundance of each species as Occasional, Common, or if you're unsure, P  Species  Sp	
Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)	
Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Accordant VCCORS  CERANTHAL S Ucapii  ULVA  MARIARIS  CERANTHAL S  C	R, O, C or P
Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Animal Beds (e.g. mussels, brittlestars, scallops - state which)  MarloRaint VCCons  CERMITARIS Warpii  ULVA  MarloRaint VCCons  MarloRaint VCCons  MarloRaint VCCons  CERMITARIS Warpii  ULVA  MarloRaint VCCons  MarloRaint VCCons  MarloRaint VCCons  MarloRaint VCCons  CERMITARIS Warpii  ULVA  MarloRaint VCCons  Marl	0
Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Grant Astronomy  Marlotan Valori  ULVA  Marlotan Valori  ULVA  Marlotan Astronomy  Marlotan Astronomy  Astrono	
Animal Beds (e.g. mussels, brittlestars, scallops - state which)  Accord Artestaria  Acco	
(e.g. mussels, brittlestars, scallops - state which)  Action A ASPREA  ANTHALURAE RAW  Sediment with life apparent (tubes, burrows etc)  Cond A ASPREA  ANTHALURAE RAW  ASPROACE  CLANA (LUVIUS)  CONDA ASPREA  ANTHALURAE RAW  CONDA ASPREA  ANTHALUR	0
(e.g. mussels, brittlestars, scallops - state which)  MarloRaia  MarloRaia  MarloRaia  MarloRaia  Astronomy  Astronomy  Sediment with life apparent (tubes, burrows etc)  Sediment with life apparent (tubes, burrows etc)	000
scallops - state which)  Marleria  Signar Afrest  Annia  Asing A Arrest  Annia  Sediment with life apparent (tubes, burrows etc)  Can't Curious  Can't Curious  Can't Curious  Can't Curious	
Sediment with life apparent (tubes, burrows etc)  Signature ASPRESA  AUNTA CULOSE ATUIC  ASPRESA  AUNTA CULOSE  ELECTRONICAL  COLORIA ASPRESA  AUNTA CULOSE  ELECTRONICAL  COLORIA CULOSES  ELECTRONICAL  ELECTRONIC	
agrass Bed  Sediment with life apparent (tubes, burrows etc)  ACDICAL ASPRESA  ANTHA CLOSE SALUI  ASPRESA  ANTHA CLOSE  COLORIA SECURITIONS  COLORIA SECURITIONS	
Sediment with life apparent (tubes, burrows etc)  Sediment with life apparent (blanch (vilus)  Emilia Caucatos	0000
Sediment with life apparent (tubes, burrows etc)  Sediment with life apparent (blank Cultius Security)	0 0000
(tubes, burrows etc) Tolania (ULVILLUS)	U 0000 0
	U 0000 0
amosting wink along	U 0000 0
crusting pink algae	0 0000 0 0 0000
MCCOCA FUEA	0 0000 0 0 0 0000
Barren sediment	0 0000 0 0 0 0000 0
er - specify (no life or structures apparent)	0 0000 0 0 0 00000 0 0
Pruneus SO	0 0000 0 0 0 0000 0

Illustrations by Bob Foster-Smith

### SEASEARCH SURVEY FORM



- · Each pair of divers should complete a form between them
- Please complete all parts of the form. Where there is a \* only fill in the information if you know it.



Validated by	Date	Entered by		Date	MR Reference	
Recorder leave blan	k - for Seasearch use					
Your details						
Tour details						
-						
-						
Dive/Site detail	c					
	(0.0)	andimore.		Date of dive:	22.dd/09mm/	18 W
General location	West Tax	resa Mor		Start of dive:	12:21	(24hr)
Summer	des Weste	w Ross.		Dive duration:	29	(mins)
Highl	and Reoxio	n		Sea temperat	ure: 12	°c
Position (degrees	and decimal minutes -	state if in any other form	nat)	Underwater v	sibility: 8	m
	Latitude	Longitude	W or E	Drift dive?		yes no
Centre of site	0	0 .		Night dive?		yes (no
For drift dives	60 00			Did you or you	ur buddy take any of the	following?
From	<b>36</b> 0 CO. 935	05 23.921				<u></u>
То	58 00.369	050 24,009		A		yes)/ no
Or OS Grid Refe	erence			9000	953	
Position derived	from: (circle)	GPS Datur	n (circle)	80.0 <b>8</b> 0.0 (19.0		· 50
GPS Chart	OS map Web m	apping WGS84	OSGB36			, 0
Exposure of site	: extremely exposed	v exposed ex	xposed	For the area s	urveyed, what was	
25%			ered	the shallowes	t depth? (m) 50 bs	bcd
Max tidal stream	ı:	<u></u>	_/	the deepest d	epth? (m) 12.2 bs	bcd
>6kt 3-6k	t -3kt	<1kt v. wea	ak	Tidal correction	n to chart datum	m*
Seabed summa	ary					
at t	he site	ü.	1		11-1	1
a) Sitt/	sand dope	e with low	algae	cover, si	cattered will	kage
0 ,	in all hale	At brances	1 m 1 0 K x	etc.	- 1 - 1	8
Position (degrees and decimal minutes – state if in any other format)   Dide with diverage   Dide with diverage   Dide with diverage   Dide with diverage   Dive duration: 29 (mins)   Sea temperature: 12 ° c   Centre of site 0 ° . Night diverage   Dide with di						
Position deciral minutes - state if in any other format)   Did you or your buddy take any of the following?   Position derived from: (circle)   GPS Chart OS map Web mapping   WGSP4 OSGB4 OSGB5   Salt stream: >6kt   3-6kt   1-3kt   <1kt   v. weak   v. wea						
NO (	) 4 1.	# 1- 500		A minal	Louis	
() hours	in boat, de	xur, boxes,	COOL W	iva spivad	away.	

#### **Habitat descriptions**

Complete a box below for each **habitat** you found on your dive. Normally the shallowest habitat is No. 1 even if you have done the dive deepest first. Each written description should tally with the information entered in the columns and diagrams on the next page. If you found more than 3 habitats, continue your descriptions on another form. Tick boxes where shown, and insert percentages (they must add up to 100%) or assign a score from 1-5 as appropriate. If you are uncertain leave the box blank. The biotope code will be assigned later from your description.

1. DESCRIPTION (physical + community)	(
Sand/sitt slope. Burrowing anemones & alope (mostly kelp overgrowth with many, mainly asseidia ascediants	)
overprobeth with many mainly assidia ascidians	
3,111	
Biotope Code	
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other	$\neg$
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae	
animal turf animal bed sediment with life barren sediment	
2 DESCRIPTION (shusical + community)	
2. DESCRIPTION (physical + community) Wreckage - scattered debris. Rowing boat, steel boxes, lost rope mooning, live mooning. Mostley supporting kep day deep rope with multiple anemonada species.	
Wreckage - scattered about.	
Cost rope mooning, live mooning. I wolly supporte my kelp	
las deep vope with multiple anemonada species.	
tooley 1	
Biotope Code	
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other	
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae	
animal turf animal bed sediment with life barren sediment	
3. DESCRIPTION (physical + community)	
	_
Biotope Code	
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other	
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other  Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae	

stoperale

1	2	3	
_	m		DEPTH LIMITS
30	5.0		Upper (from sea level) (i.e. minimum)
12:2	3.0		Lower (from sea level) (i.e. maximum)
			Upper (from chart datum) *
			Lower (from chart datum) *

	%		SUBSTRATUM						
			Bedrock type?:						
			Boulders - very large > 1.0 m						
			- large 0.5 - 1.0 m						
			- small 0.25 - 0.5 m						
			Cobbles (fist - head size)						
5			Pebbles (50p - fist size)						
10			Gravel - stone						
5			- shell fragments						
			Sand - coarse						
10			- medium						
35			- fine						
35			Mud						
			Shells (empty - or as large pieces)						
	l		Shells (living - eg mussels, limpets)						
	40		Artificial - metal						
			- concrete						
	50		- wood						
	10		Other (state) Rope						
100	100	100	Total						

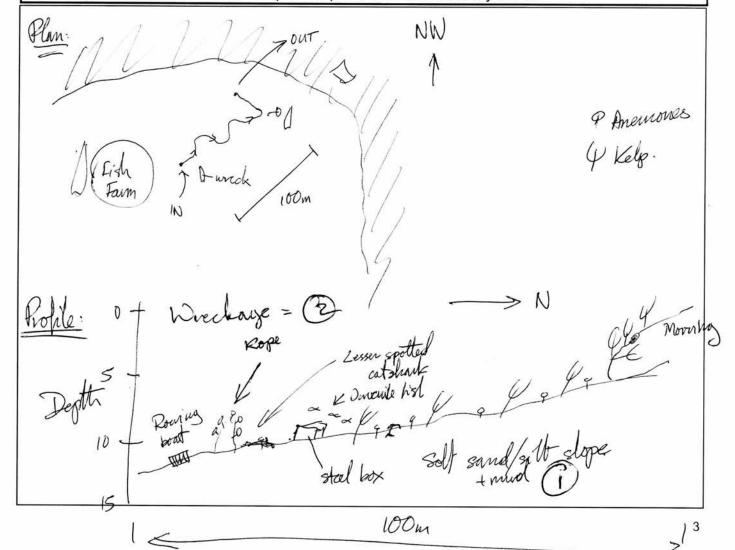
1	2	3						
	1-5		FEATURES - ROCK (all categor	ries)				
			Relief of habitat (even - rugg					
			Texture (smooth - pitt					
			Stability (stable - mob	ile)				
			Scour (none - scour	ed)				
		Silt (none - silte	ed)					
Ö			Fissures > 10 mm (none - ma	ny)				
			Crevices < 10 mm (none - ma					
			Boulder/cobble/pebble shape					
				d - angular)				
			Sediment on rock? (tick if prese	ent)				

. /	FEATURES - SEDIMENT (1)
	Mounds / casts
	Burrows / holes
	Waves (>10 cm high)
	Ripples (< 10 cm high)
	Subsurface coarse layer?
	Subsurface anoxic (black) layer?

1-5	FEATURES – SEDIMENT (2)	
4	Firmness (firm - soft)	
3	Stability (stable - mobile)	
4	Sorting (well - poor)	

#### Sketches and plans

Draw a profile and/or plan of the sea bed you encountered on your dive in the space below. Mark (& number) the different habitats, corresponding to the written descriptions on p.2. Indicate conspicuous and/or characteristic species. Make sure you include depth(s) (vertical axis) and a distance scale (horizontal axis) for a profile and scale and north point for a plan. Indicate the direction of the profile or plan and the direction of any current.



#### **Species List**

Score the abundance of each group of animals and plants in each habitat alongside the name. In the blank spaces list the seaweeds & animals which you were able to identify positively from the different habitats. Use latin names if possible, but if you don't know them, common or descriptive names are acceptable. If you are not 100% sure about any, add a question mark. Do not enter names as guesses - it's better to exclude them than to include incorrect identifications. Give abundances in the columns:

Super abundant, Abundant, Common, Frequent, Occasional & Rare. If you did not note abundances, simply enter a P for Present.

Continue on a separate sheet, if necessary, If you have a photograph of the species tick the ph column.

	Z	graph of the species tick the <b>ph</b> column.							
	ph	1	2	3		ph	1	2	Τ:
sponges					echinoderms 1 1			T-	
					estrinus esculvillas	0		0	_
					Martia Taries alevalis	1	0	+-	
					Ophilix manhamis	/		0	-
					Ophima ophiwa	-	0	10	
					Luidia Cillanis	/	8	-	$\vdash$
	_					V,	15		_
	+-	-	_		Isto section inversulais	1	R		
	+				Asterias moun	/	C		
	+								
cnidarians; hydroids, anemones, corals,					sea squirts		125		_
Ceriantino (parti	1	DOTA.			Ascadia mentula	. 7	0	0	
4 sometium distan	1./	-	P			$\sim$	<u>U</u>		_
Maridium diagnorius	1./		RO		Tiplocomu sponontomo	$\overline{}$	_		
avatia elevants	1/	$\vdash$	ð		A COLOR AND SOLOSO	V	/_		
Sarantingeton heeratus	1	,	0		Ascidea vias la				
A maria de la company menallos	1/				Corella Parallelogranua	$\checkmark$	0		
Jarylia Jamesta J.	1		0		<u> </u>				
Authorizenna balli	1/	1	<b>A</b>		6.1				
extuliavella, gan: ?	1	$\sim$	0		fishes				
talecum halecinin.	1				Comatorastrus Sp.				
New (II)					Pollachius vivens	1	0		
worms					Caryfula sundovinus	//	Ř		
pivolis sp.	1	10			Gadus morrina (nv.)	1	R		-
Tembellid Sp.		0			& (springly deformed)		/		_
9		-			Tawally surales	$\mathcal{A}$	R		_
					The survey bushing	1	_	75	-
					Symptodus nelops	~		R	
crustaceans		$\overline{}$			seaweeds /	-			_
Canacer passings	1./	0	E			-4	_		
Philipa aperto	1	8		_	The state of the s	$\sqrt{}$	_	0	
AND ADDRESS OF THE PERSON NAMED ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AN	1/	91	-		Laminaria dispitata	$\langle \rangle$	C	0	
	1/1	-			Low growing and colore	4		C	
avenus reservus	V	0	_		(1) va 180.11	1			
	$\vdash$				Chordon Glam. 1 1	//	C		
					Chondia desistru (7)	/	0		
nolluscs			-						
Pecters waximus		0		-					
ezhan waxivup	7		_						
whyloris psychogramus	1	R							
apple (clouded)	//								
point of herough	V	F							
					other or continuations				
				_					
ryozoans									
		_	_			-		_	
		$\neg +$			7A1	-	-	-	
	1								

Once completed return the form to the Dive Organiser or to Seasearch, Marine Conservation Society, Over Ross House, Ross-Park, Ross-on-Wye, Herefordshire, HR9 7QQ.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. They will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public through the Seasearch and NBN websites. If you do not agree with this use of the data do not submit the form.

## SEASEARCH SURVEY FORM

Form No (leave blank)

- 7	11. /	1423
5	1/18/10	2
_	0.0/10	2



•	lf	anything	is	unclear	please	refer	to	the	Guidance	Notes
---	----	----------	----	---------	--------	-------	----	-----	----------	-------

Each pair of divers should complete a form between them

 Please complete all parts of the form. Where there is a \* only fill in the information if you know it.

Validated by	Date Entered by					Date MR Re	eference			
Recorder leave blar	nk - for Se	easearch use								
our details										
ive/Site detail	ls į									
Site name A 7	dnag	gine			6	Date of dive: 22-dd / 09 mm / 2018 yy				
General location	n Ala	A d Rubh	And	-na -gor	nl	Start of dive:	12: HO	(24	hr)	
	Tan	en More	, Sur	mmer Isle	8	Dive duration:	HU	(mi	ns)	
	Hy	Mand R	eyen	n		Sea temperature:		12	°c	
Position (degree	s and de	cimal minutes –	state if	in any other form	mat)	Underwater visibility:		10	m	
	L	atitude		ongitude	W or E	Drift dive?		yes /	na	
Centre of site	58°	01.078	050	23.755	W	Night dive?		yes / r	no)	
For drift dives From	0		0			Did you or your buddy	take any of the	followir	ng?	
То	0	1000	0	4.		photographs		yes /		
Or OS Grid Refe	erence				e c	video footage specimens		yes / I		
Position derived	os ma		apping	GPS Datur	seaweeds for press	sing	yes / ı	no		
Exposure of site		and the second of the second o		exposed extended exte	For the area surveyed the shallowest depth?			bcd		
Max tidal stream >6kt ☐ 3-6k		1-3kt 🗆	<1kt	v. wea	the deepest depth?  Tidal correction to cha	(m) <i>    H</i> bsl art datum		bcd m*		

Seabed summary

at the site
Kelp covered boulder and bedrich wim then sand with.
orcassional crurings of rich. Gently sloping sand below rich with
Carge parthes of filameneous old and small h. hyperbored Large shouls of powerite and some presente col. his of prevenile starfish
pollert and some purinte cod. Less of juvenile starfish

#### **Habitat descriptions**

Complete a box below for each **habitat** you found on your dive. Normally the shallowest habitat is No. 1 even if you have done the dive deepest first. Each written description should tally with the information entered in the columns and diagrams on the next page. If you found more than 3 habitats, continue your descriptions on another form. Tick boxes where shown, and insert percentages (they must add up to 100%) or assign a score from 1-5 as appropriate. If you are uncertain leave the box blank. The biotope code will be assigned later from your description.

1. DESCRIPTION (physical + community) Bedruh and bullers with kelp, concusing junk and Echinus
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae
animal turf animal bed sediment with life barren sediment
2. DESCRIPTION (physical + community)  Genty surpring sand inth occussional hullers and purches of hedroch  Abundant planentions red
Biotope Code
Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other
Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae
animal turf animal bed sediment with life barren sediment
3. DESCRIPTION (physical + community)
Biotope Code
Biotope Code  Seabed type: rock boulders cobbles pebbles gravel sand mud wreckage other  Communities: kelp forest kelp park mixed seaweeds seagrass bed enc pink algae

1	2	3						
	m		DEPTH LIMITS					
			Upper (from sea level) (i.e. minimum)					
			Lower (from sea level) (i.e. maximum)					
			Upper (from chart datum) *					
			Lower (from chart datum) *					

	%		SUBSTRATUM
ev			Bedrock type?:
10			Boulders - very large > 1.0 m
			- large 0.5 - 1.0 m
10			- small 0.25 - 0.5 m
			Cobbles (fist - head size)
	10		Pebbles (50p - fist size)
			Gravel - stone
			- shell fragments
	60		Sand - coarse
	10		- medium
	1.0		- fine
			Mud
	20		Shells (empty - or as large pieces)
			Shells (living - eg mussels, limpets)
			Artificial - metal
			- concrete
			- wood
			Other (state)
100	100	100	Total

1	2	3	7	
	1-5		FEATURES - ROCK (all catego	ries)
3			Relief of habitat (even - ruge	ged)
Ť.			Texture (smooth - pit	ted)
1			Stability (stable - mob	oile)
1			Scour (none - scoul	red)
2			Silt (none - silt	ed)
2			Fissures > 10 mm (none - ma	any)
2-			Crevices < 10 mm (none - ma	any)
4			Boulder/cobble/pebble shape (rounde	ed - angular)
			Sediment on rock? (tick if pres	ent)

<b>✓</b>	FEATURES - SEDIMENT (1)
	Mounds / casts
	Burrows / holes
	Waves (>10 cm high)
	Ripples (< 10 cm high)
	Subsurface coarse layer?
	Subsurface anoxic (black) layer?

1-5	FEATURES – SEDIMENT (2)
2	Firmness (firm - soft)
2	Stability (stable - mobile)
3	Sorting (well - poor)

#### Sketches and plans

Draw a **profile and/or plan** of the sea bed you encountered on your dive in the space below. Mark (& number) the different habitats, corresponding to the written descriptions on p.2. Indicate conspicuous and/or characteristic species. Make sure you include **depth(s)** (vertical axis) and a **distance** scale (horizontal axis) for a profile and scale and north point for a plan. Indicate the direction of the profile or plan and the direction of any current.

#### **Species List**

Score the abundance of each group of animals and plants **in each habitat** alongside the name. In the blank spaces list the seaweeds & animals which you were able to identify **positively** from the different habitats. Use latin names if possible, but if you don't know them, common or descriptive names are acceptable. If you are not 100% sure about any, add a question mark. Do not enter names as guesses - it's better to exclude them than to include incorrect identifications. Give abundances in the columns: **S**uper abundant, **A**bundant, **C**ommon, **F**requent, **O**ccasional & **R**are. If you did not note abundances, simply enter a **P** for Present. Continue on a separate sheet, if necessary. If you have a photograph of the species tick the **ph** column.

	ph	1	2	3		ph	1	2	3
sponges					echinoderms				
sponges sp in Hemis			R		Asienas rubens Marchastenas glassals Ludia cellans Forania guligitas Ophigia sphinia Echinus esculentus		0	R	
Jegunion of the					Marchen Henry Musuch		V	0	
					Lindencelliano			R	
					Pormer Rulia Mass			n	
					Cobring Dehund			1	
					15 him estulladar		F	D	
					TOTAMUS (Sources Co.				
k1									
cnidarians: hydroids, anemones, corals,		1			sea squirts				
Cenanthus Undie			F		ASCIDIENTA OSPENSA		U	C	
Anterin sp.			1		Birryllu schrisen		U		
7.									
					fishes /		- 6	7	
					Godies morhuy		U		
					Poll peper ochluchous			C	
worms ,					The stems minuses		0		
Terepellielca			0		Syntanachus marle		Ř		
Deal ummil.		Æ			ifmy ANSCHABITAL CO		0		
Terepellielse Red ummt. Laronne conheleys.		•	1		Edus merhug For schus pollucheus ins glens miniggs Syngnathus tryple Computoschistus sp Corprusalus flaveriens		2)		
The transfer of the transfer o					VID F GIAL STATE OF THE STATE O		-		
crustaceans					seaweeds				
Necessa puber		0	0		Salahina hyathira. Salahina sellyschides Ehme Folian		C		
Cancer rawing			J		Sall whim alling hides		0		
La scartinus depunction		U	0		Charles Fellum		0		
Parmer sel			U)						
Ne cra puber Cinier gayunus Liscardanis depunus Rayunus se Mairipolisa sp			R		Enemisions amb		(		
the second second					Filumental red			C	
					Francisco prod Francisco prod Francisco provin			U	
molluscs									
Frank enris (shells). Turnelfu (shells.			F						
Tuntelly (shells).			R						
Gilphyla connerund		0	100						
Eilen murimus			0						
The second secon					other or continuations				
bryozoans							÷		
			V		Continue on a separate sheet if you	need to	)		

Once completed return the form to the Dive Organiser or to Seasearch, Marine Conservation Society, Over Ross House, Ross Park, Ross-on-Wye, Herefordshire, HR9 7QQ.

Your contact details will be included on the Seasearch database and those of partner organisations and will be used to send you information about Seasearch and associated projects. They will not be passed to third parties without your consent. The location, dive details, habitats and species information and the name of the recorder will be entered into a database and made available to the participating organisations and the general public through the Seasearch and NBN websites. If you do not agree with this use of the data do not submit the form.