

Cricieth Litter Project Toolkit 2016- 2018

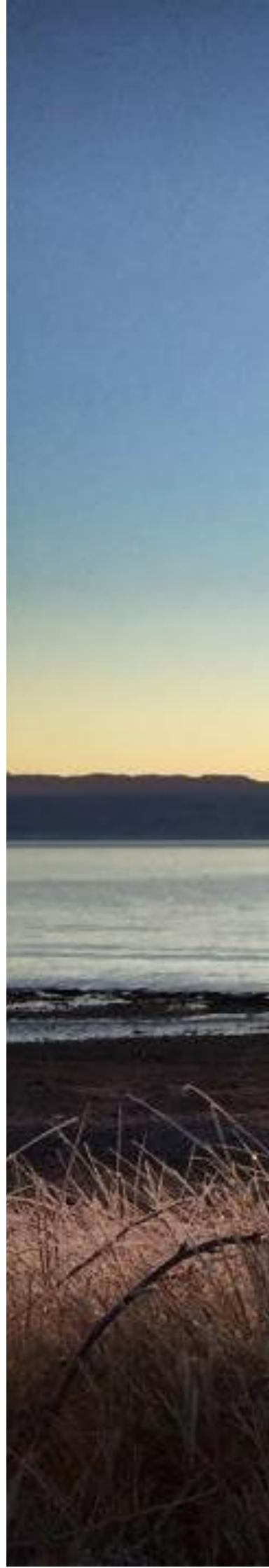
Llŷn Marine Ecosystems Project



Toolkit prepared by

Catrin Glyn

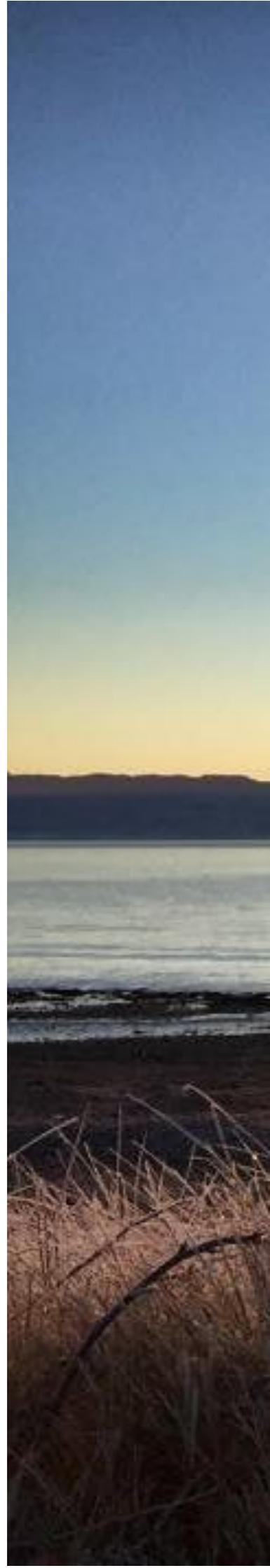
Llŷn Marine Ecosystems Project Officer



The Llŷn Marine Ecosystems Project

The Llŷn Marine Ecosystems Project is a pilot project located on the Llŷn peninsula and is an evolution of the work of the Pen Llŷn a'r Sarnau Special Area of Conservation (PLAS SAC). The project developed from recommendations in a document formulated by the Welsh Fishermen's Association (WFA) called '*Striking the Balance*' which proposed a method of managing the sea to improve our understanding of the marine environment and promote the recovery and resilience of ecosystems without having a detrimental impact on local fishermen and communities; an approach that would also safeguard cultural and economic life and protect traditional fisheries and recreational activities. The PLAS SAC and the WFA jointly lead the project, reflecting the fact that conservation and the fishing industry identify a need to work collaboratively and cooperatively to achieve effective conservation and management of the marine environment, and emphasising the need for joint management and consultation as part of a joined up approach.

The approach taken by the project and aspirations for the project are supported in principle by recent legislative developments in Wales: The Well-being of Future Generations Act 2015, and the Environment Act 2016.



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Chapter 1 - The Cricieth Litter Project

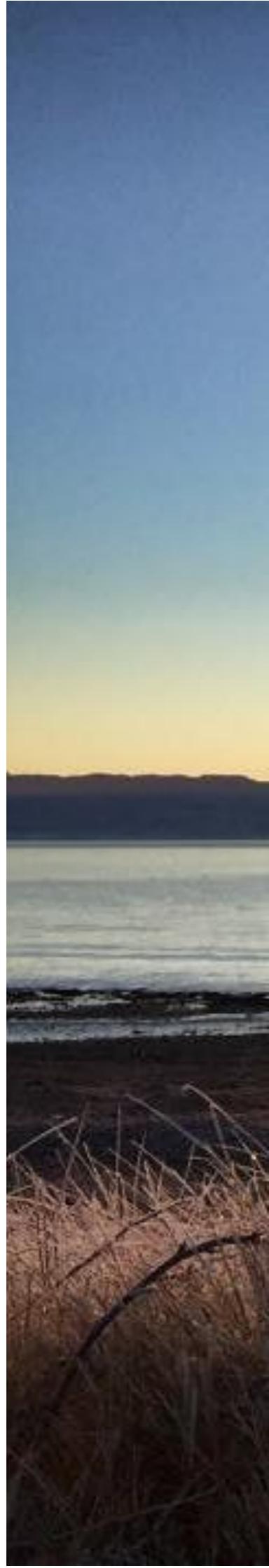
This project was delivered as part of the Llŷn Marine Ecosystems Project's work programme for 2016-2018 under funding for the Natural Resources Comparative Fund, with additional funding from Seafish.

This community project looked at reducing the amount of litter generated by the town and actively cleaning the beach and surrounding area. The project focused on:

- Monitoring marine litter
- Beach cleans
- Reducing litter from source

From the initial introduction to the Town Council, school presentations, to interacting and sharing good practice on social media, the local community has been a core element of the work from the onset. The project aimed towards creating a self-sustainable community-focused campaign driving towards a local answer to the issue of marine litter.

Following the experiences, and the gathering of expertise and knowledge this work presented, the Llŷn Marine Ecosystems project has developed this project toolkit, offering a systematic guide for imitating the work undertaken. This legacy is available to any group or area with the desire to develop a similar project: eliminating duplication and sharing best practice.



Chapter 2 - Monitoring

The Marine Conservation Society's (MCS) Beachwatch methodology was used for the monitoring: a national beach cleaning and litter-surveying programme that has been in place for over 20 years. A survey area was introduced on Morannedd beach, Cricieth (SH511379), and regular monitoring has taken place, together with actively cleaning a large amount of litter from local beaches. Below are the steps the Llŷn Marine Ecosystems Project took in order to carry out the work:

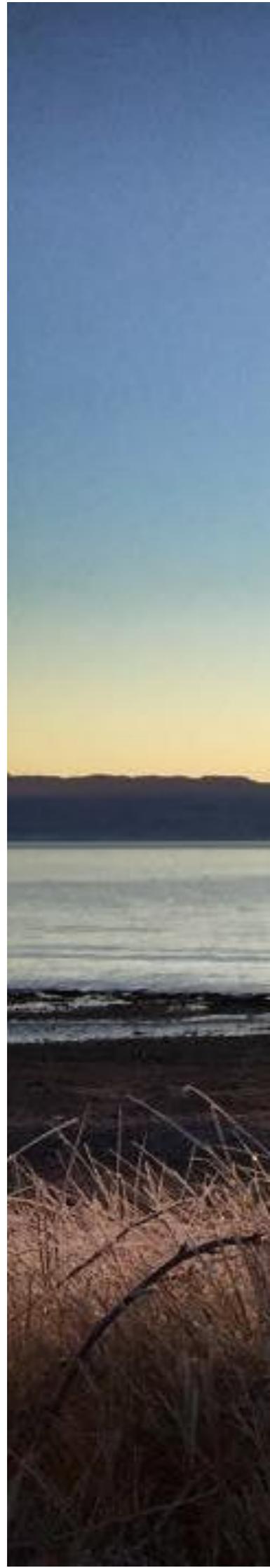
STEP 1 Contact Stakeholders

The support of the local community and the community of interest has been essential for the success of the Cricieth Litter Project. The first step was to contact the Town Council to gain support and backing and the Project Officer presented initial project ideas in a meeting. With the full support of the Council, the work could commence and the councillors were exceptionally helpful in getting the ball rolling. Efforts were concentrated on contacting people of interest and previous attendees to any beach clean or similar event in the area.

STEP 2 Familiarise with the MCS Beachwatch Beach clean organiser guide

Below is summary guide on how to organise a beach clean survey (full guide available at: www.mcsuk.org/beachwatch).

- Find a beach and register with Beachwatch to run an event there. The Llŷn Marine Ecosystems Project purchased signs and placed them to mark the surveying area, after granting permission by the landowner.
- Check the tide times at your chosen beach - best to plan an event for 2 hours or more after high tide, and not on an incoming tide. Use the tides to pick a date and time for your event.
- Contact the beach owner (often the local council, and if not they can usually help) to get permission to hold your beach clean and survey on their land.
- While you're on the phone, find out who's responsible for collecting rubbish from the beach, and talk to them about where to leave all the extra rubbish you'll have collected. You can also ask if they have any equipment you can borrow. To help you with the equipment you may need, the Helping Hands Company have offered you a discount of their products.
- Do a risk assessment for your beach. Visit the beach again shortly before the event to make sure it's all up to date.
- Now you can get advertising!



STEP 3 Promotion

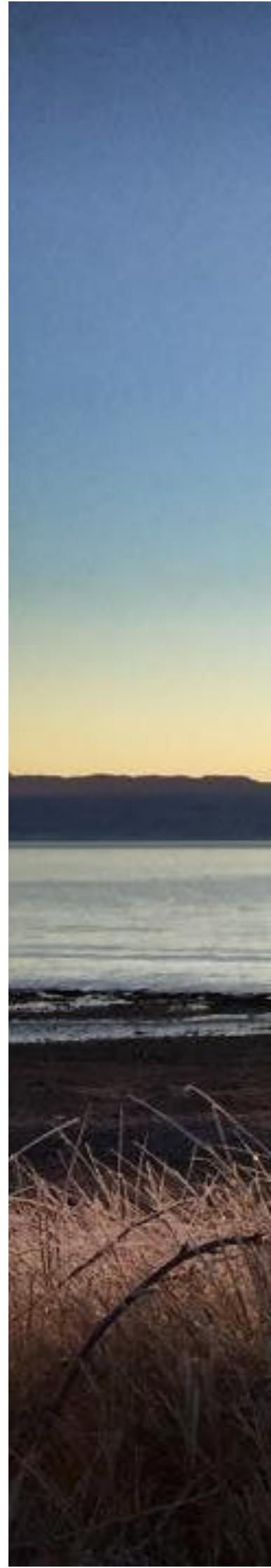
To gain public support and to raise awareness information about the project was publicised through numerous press releases and via the project's social media channels (see Tool 1 in Chapter 5 – Useful Tools, for a digital poster used to promote a survey/beach clean).

STEP 4 Organise tea and coffee after the survey

Everyone enjoys a cup of hot tea or coffee after putting in some work. Dylan's Restaurant in Cricieth were kind enough to offer a hot drink and a cake to all volunteers after each clean/survey. This generosity has been a huge factor in getting the volunteers back for the next survey.

STEP 5 Gather all you need for the event

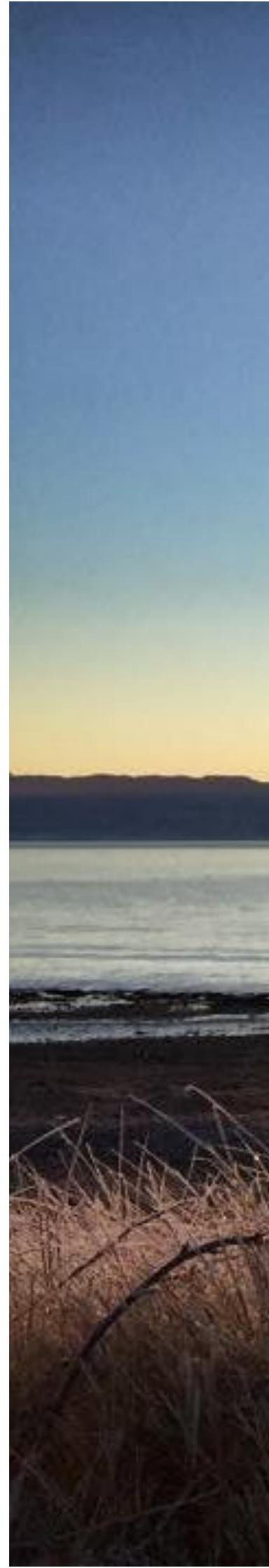
- **Volunteer survey forms and Beach litter ID guides.** These are forms you'll need to take. The Llŷn Marine Ecosystems Project translated the forms needed (see Tool 2 in Chapter 5 for Welsh copies of the forms). English versions can all be found online under 'Organiser Resources' on the panel on the right hand side when logged in to the Beachwatch page.
- **First aid kit** – Similar to the one you may have in the back of your car. Let people know you have one – but they can administer themselves as you don't need to be a trained first-aider.
- **Bucket** – To collect sharp objects that will likely cut through a bin liner like glass and metal.
- **Sharps box** – For needles and syringes – you can buy for a few £s online or the beach owner may have some.
- **A small container** – To collect cigarettes butts in if you are recycling them. A recycled food container from home would be just the job!
- **A big roll of bin liners** – The heavy duty ones from a DIY store are ideal. If you are recycling rigid plastics, one colour for recycling and one for everything else works well.
- **Litter pickers** – The beach owner – especially if it's a council - may have equipment you can borrow. Alternatively, visit the MCS online shop www.mcsuk.org/shop now to get a great discount on beach clean equipment from The Helping Hand Company, who will also make a donation to MCS for each item sold.
- **Gloves** – (if volunteers aren't using a litter picker) The beach owner may have some for loan, or gardening gloves will do.



- **Clipboards and pens** – Again the beach owner may have some you can borrow but they're pretty cheap to buy if you want to start your own stash.
- **Weighing scales** – You can pick up a small set of scales (the ones with a hook make it easy to hang the rubbish bags from) quite cheaply online. Search for a spring hanging balance (sometimes called a Newton meter) or a luggage / travel scale.
- **Wear appropriate clothing** – Sturdy footwear is a must and outer clothing to suit the British weather. Pack sunscreen if the weather looks like being good and a reusable water bottle!

STEP 6 Data Analyse

The Project Officer inputted the data via the Beachwatch page and also generated two tables for the end of project report (see Tool 3 of Chapter 5 – Useful Tools, for data analysis tables).



Chapter 3 - #2minutebeachclean

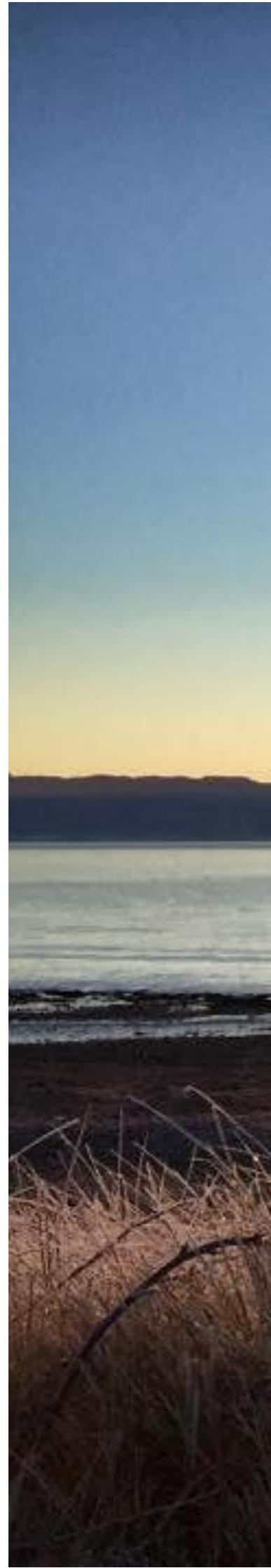
In addition to the surveys and beach cleans, Cricieth Town Council and the project's volunteers were eager to put in place an initiative that would encourage members of the public to spend a few minutes to remove litter of the beach, in a practical and easy way. Following discussions with Dylan's, a local restaurant, a #2minutebeachclean station was purchased and placed on the beach.

The #2minutebeachclean stations are a-frame boards with an outer holder for litter pickers and an integrated holder for carrier bags. Users take a litter picker and a bag, fill it up with litter for 2 minutes or more and dispose of the litter in nearby bins or recycling points. Carrier bags are to be placed back into the holder ready for the next user

The #2minutebeachclean initiative is run by The Beach Clean Network Limited, a not for profit organisation that was set up in 2009 by Martin Dorey and Tab Parry to encourage beach cleaning. The idea was conceived as a way of making it easier for the public to clean beaches, even if only for two minutes, then to post picture on social media using the #2minutebeachclean hashtag, showing good practice. The first station was placed at Crooklets beach in Bude, north Cornwall in September 2014. The movement has grown enormously since then with over 200 beach clean stations placed across the UK and Ireland, with Cricieth being the first in North Wales. Thousands of people all over the globe have used the hashtag for their beach cleaning activities.

Who can buy a board? If you are beachside cafe, restaurant or pub, a surf school or a local business near to the beach and there are bins and/or recycling nearby to your location you can buy a board. If you are a local council, large organisation, or a business further inland, you can buy boards then find suitable beach side 'Guardians' to take care of the board.

What are Guardians? You as owners, or your allocated 'Guardian' must ensure that the board is put out and taken in each evening. Weather conditions must be assessed before it is put out and bags and litter pickers are to be stocked up at all times. It cannot be put out in strong winds. For Cricieth, Dylan's restaurant agreed to take responsibility for putting the board out, weather permitting, and taking it back inside each evening, as well as ensuring bags and litter pickers are stocked up.



What are the costs? Each board costs £350 plus VAT. The design fee is £100 (this can increase depending on your requirements). Delivery is totally free. Once delivered, your new board/s will be promoted via the #2minutebeachclean's Facebook, Twitter and Instagram accounts (see Tool 4 of Chapter 5 – Useful Tools, for Welsh and English designs).

Contact Information

Phone: Martin Dorey 01288 354399

Email Martin: martin@copymonkey.biz

Email Nicky: (board & shop enquiries) beachcleanshop@gmail.com

Email Dolly: (social media) 2minutebeachclean@gmail.com

Please visit <https://www.beachclean.net/> for more information on the boards



Chapter 4 - The Last Straw

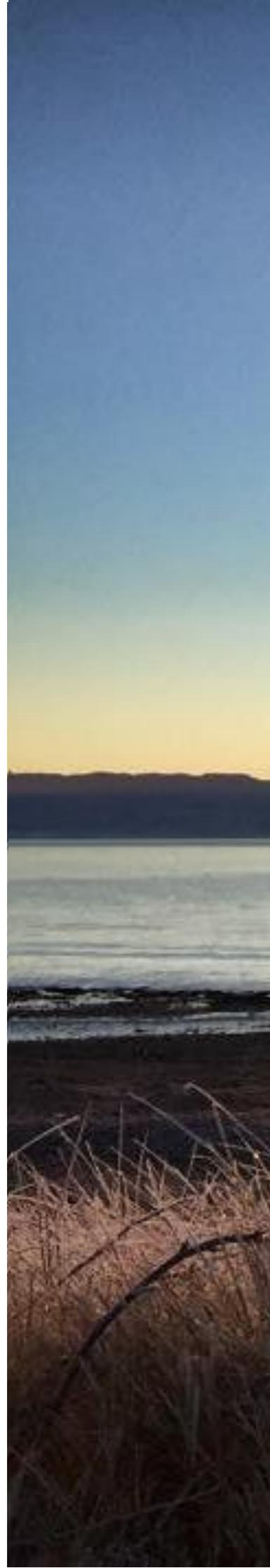
The Beachwatch surveys highlighted the amount of litter, and in particular what type of litter is washed up on Morannedd beach, regularly. As the date highlights, the most numerous material recorded and collected by far, was plastic.

Meetings were held with various groups and organisations such as NRW, Keep Wales Tidy, North Wales Wild Life Trust, and the Marine Conservation Society to ensure a partnership approach. In the context of reducing litter from source, the following ideas were raised in the initial meetings between local business, Town Council, partners and volunteers.

- Reducing packaging
- Biodegradable packaging
- The Last Straw Campaign
- Water Fountain
- Deposit Schemes
- Plastic Taxation

Research was carried out into Biodegradable packaging and discussions took place between the Project Officer and Selina Lloyd (Allports Chip Shop, Pwllheli), and Danny White-Meir (Enochs Chip Shop, Llandudno), both businesses have switched to biodegradable packaging (see Tool 5 of Chapter 5 – Useful Tools, for examples of the biodegradable products available). Samples were shown to the chip shops in Cricieth and prices presented. Unfortunately, both businesses felt the increase in price compared to non-biodegradable was too great. As a result, the volunteers felt it would be more effective to persevere with the Last Straw campaign.

Discussions took place between local business and the project's volunteers to develop a campaign that would not only raise awareness about these findings, but to change behaviours. The Last Straw campaign was launched, targeting business and encouraging them to stop using single use plastic straws, or to switch to biodegradable ones. A branding scheme was developed and the project produced window stickers to be displayed on participating establishments (see Tool 6 of Chapter 5 – Useful Tools, for campaign logo). After a combination of restaurants, cafes and pubs approached, and business approaching the Project Officer from outside of the Cricieth area, the following businesses are now involved.



Caffi'r Cwrt, Cricieth

Lion Hotel, Cricieth

Bryn Hir Arms, Cricieth

Caffi 46, Cricieth

Poachers Resturants, Cricieth

Tir a Môr, Cricieth

Tea Room, Cricieth

Dylan's Cricieth

Dylan's Porthaethwy

Dylan's Llandudno

Coconut Kitchen, Abersoch

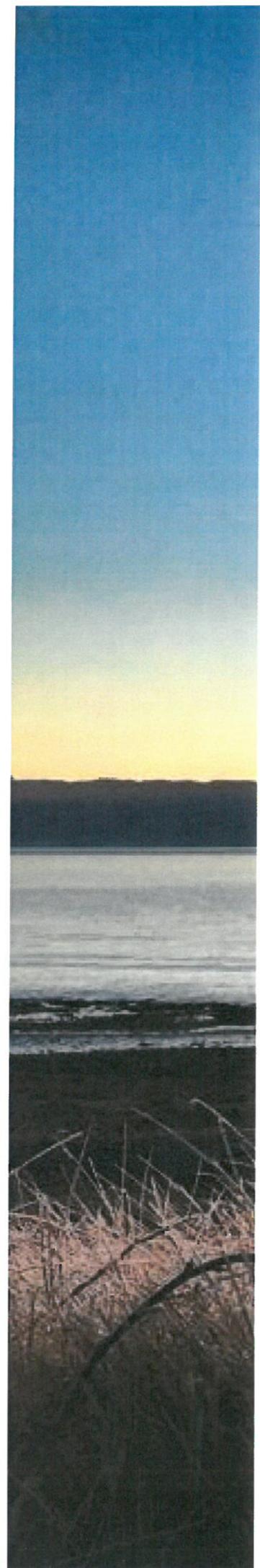
Tŷ Newydd Aberdaron

Chapter 5 – Useful Tools

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Tool 1: Digital poster used to promote a survey/beach clean



Monitro Sbwriel - Morannedd, Cricieth *Litter Monitoring*

Dydd Sul Sunday

10:00 y.b a.m

13/08/2017

Cyfarfod yn y maes parcio ger Dylan's
Meet in the car park by Dylan's

Lluniaeth ysgafn ar gael i wirfoddolwyr gan
Refreshments supplied to volunteers by

DYLAN'S

www.penllynarsarnau.co.uk



@ACA_PLAS_SAC

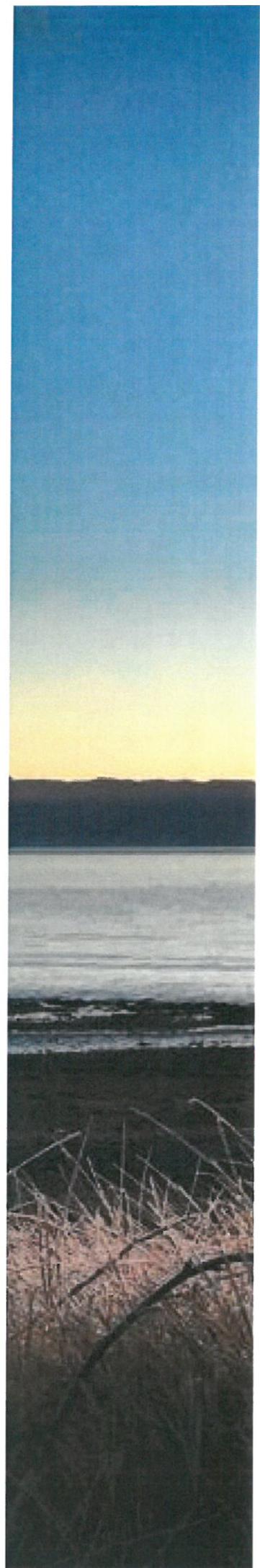


Pen Llŷn a'r Sarnau

**Prosiect Ecosystemau Morol LLŷn
Llŷn Marine Ecosystems Project**

Tool 2: Welsh Beachwatch survey forms

- Taflen Gwirfoddolwr Beachwatch
- Crynodeb o Arolwg Beachwatch



Taflen Arolwg Gwirfoddolwr Beachwatch

Dyddiad __/__/__

Enw'r traeth:.....

Eich enw a'ch cyfeiriad e-bost:

Ychwanegwch eich cyfeiriad e-bost neu cofrestrwch ar *Beachwatch* ar-lein i dderbyn diweddariadau gennym

- ◆ Er mwyn i'ch data gyfrif, **sicrhewch eich bod yn rhoi gwir werthoedd yn unig** – ni ellir defnyddio 'lot', 'nifer', 'llond bag', neu 'cannoedd'.
- ◆ Mae eitemau mwy cyffredin ar dudalen 1; mae rhai llai cyffredin ac 'eitemau eraill' nad ydynt yn ffitio mewn categori ar dudalen 2.

Yr hyn y mae wedi'i wneud ohono a rhif categori

0 Esiampl

Tali Cyfanswm

Cadwch dali fel ydych yn casglu'ch ysbwriel

Eitem ysbwriel

27

Cyfrifwch eich tali a rhowch eich cyfanswm terfynol yma

1	Plastig / Polystyren	tali	Cyfanswm	1	Plastig / Polystyren	tali	Cyfanswm
	Pecyn 4/6 o groesfarrau caniau diod (<i>yokes</i>)				Llinyn / cortyn / rhaff (trwch 1cm +)		
	Bagiau (e.e. siopa)				Netiau / cortyn / rhaff / llinyn cylmog		
	Bagiau (bach, e.e. rhewgell / llysiâu)				Teganau / clecwyr parti / tân gwyllt / dymis		
	Bagiau: Rhwyll (e.e. llysiâu)			2	Rwber	tali	Cyfanswm
	Poteli / cynhwyswyr: glanhau				Balŵns (gan gynnwys llinyn, falfiau, rhubannau)		
	Poteli / cynhwyswyr: diodydd			3	Brethyn	tali	Cyfanswm
	Poteli / cynhwyswyr: pethau ymolchi / cosmetig				Dillad / esgidiau / tyweli		
	Darnau ceir				Sachlieiniau		
	Capiau / caeadau			4	Papur / Cardfwrdd	tali	Cyfanswm,
	Taniwr sigarêts / pyrsiau baco				Bagiau		
	Cribau / Brwsys gwallt / sbectolau haul				Cardfwrdd		
	Cynhwyswyr: Bwyd (gan gynnwys bwyd cyflym)				Cartonau (<i>purepak</i> e.e. llefrith)		
	Cwpanau				Cartonau (tetrapak e.e. sudd)		
	Cyllyll a ffyrç / hambyrddau / gwellt				Pacedi sigarêts		
	Lein bysgota				Stympiau sigarêts		
	Net pysgota a darnau net: 0-50cm				Cwpanau		
	Net pysgota a darnau net: 50cm +				Papurau newydd / cylchgronau		
	Fflôt / bwiau			5	Pren wedi'i beiriannu	tali	Cyfanswm
	Ewyn / sbwng / insiwleiddio				Cyrc		
	Menig (e.e. golchi llestri)				Ffyn lollipop / ffyrç sglodion		
	Menig (diwydiannol/proffesiynol)			6	Metel	tali	Cyfanswm
	Cynhwyswyr olew / drymiau: 0-50cm				Aeosol / caniau chwistrellu		
	Pecynnu / gorchuddion plastig (diwydiannol)				Barbeciws (tafladwy)		
	Pacedi: Creision / melysion / lollipops (gan gynnwys ffyn) / brechdanau				Caniau (diod)		
	Ysgrifbinnau a chaeadau ysgrifbinnau				Caniau (bwyd)		
	Darnau plastig / polystyren: 0-2.5cm				Capiau / caeadau		
	Darnau plastig / polystyren: 2.5-50cm				Pwysau pysgota / bachau / llithwyr		
	Darnau plastig / polystyren: 50cm +				Papur ffoil		
	Esgidiau / sandalau				Sgrap		
	Cetris gwn hela				Gwifren / rhwyll / gwifren bigog		
	Bandiau mawr			7	Gwydr	tali	Cyfanswm
	Llinyn / cortyn / rhaff (trwch 0-1cm)				Poteli		

8 Crochenwaith / Seramig tali Cyfanswm

Defnydd adeiladu (e.e. teiliau)

9 Glanweithiol tali Cyfanswm

Ffyn 'cotton buds'

Tamponau a dodwyr (*applicators*)

Padiau / padiau bach / deunydd pecynnu

Weipiau gwlyb

10 Meddygol tali Cyfanswm

Cynhwyswyr / tybiau (gan gynnwys pcedi tabledi)

Chwistrelli a nodwyddau

11 Ysgarthion tali Cyfanswm

Baw cŵn mewn bag

Trowch drosodd ar gyfer eitemau llai cyffredin →

Y Gymdeithas Cadwraeth Forol. Overross House, Ross Park, Ross-on-Wye, Herefordshire HR9 7QQ T
01989 567 807 E beachwatch@mcsuk.org W www.mcsuk.org/beachwatch

Rhif Elusen Gofrestredig (Lloegr a Chymru): 1004005 Rhif Elusen Gofrestredig (Yr Alban): SC037480 Rhif
Cwmni Cyfyngedig gyda Gwarant : 2550966 Cofrestredig yn Lloegr Rhif TAW: 489 1505 17

© Y Gymdeithas Cadwraeth Forol (MCS) 2015. Cedwir Pob Hawl. Gallai'r dudalen hon gael ei ffotogopïo
neu ail-greu ar gyfer defnydd i'r prosiect *Beachwatch*. Am bob defnydd arall gofynnwch am ganiatâd gan
MCS

1 Plastig / Polystyren tali Cyfanswm

Tameidiau bagiau
 Poteli / cynhwyswyr / drymiau: Arall
 Bwcedi
 Cratiau
 Gwrtaith / bagiau bwyd anifeiliaid
 Bocsys pysgod
 Hetiau caled
 Chwistrelliad cetris gwn (e.e. sêl)
 Caniau jeri
Light / glow sticks (tiwbiau gyda hylif)
 Blaen cynffon cimwch a physgod
 Cewyll a thopiau cimwch / crancod
 Cewyll octopws
 Cynhwyswyr / drymiau olew: 50cm +
 Netiau wystrys / bagiau cregyn glas (gan gynnwys caeadau plastig)
 Hambyrddau wystrys (o ddiwylliannau wystrys)
 Gorchuddion o ddiwylliant cregyn glas (Tahitiaid)

2 Rwber tali Cyfanswm

Welingtons
 Teiars a beltiau injan
 Teiars a ddefnyddid fel ffenders

6 Brethyn tali Cyfanswm

Dodrefn
 Esgidiau (lledr)

Eitemau eraill**5 Pren wedi'i beiriannu** tali Cyfanswm

Cewyll a thopiau crancod / cimwch
 Cratiau
 Bocsys pysgod
 Brwsys paent
 Paledi

6 Metel tali Cyfanswm

Teclynnau
 Cewyll a thopiau cimwch / crancod
 Drymiau olew
 Tuniau paent

7 Gwydr tali Cyfanswm

Bylbiau / tiwbiau golau

8 Crochenwaith / Seramig tali Cyfanswm

Cewyll octopws

9 Glanweithiol tali Cyfanswm

Condomau
Freshener toiled
 Darnau paraffin / cŵyr: 0-1cm
 Darnau paraffin / cŵyr: 1-10cm
 Darnau paraffin / cŵyr: 10cm +

Os dewch o hyd i unrhyw beth nad yw wedi'i restru, ychwanegwch ef i'r rhestr 'Eitemau eraill' isod

Wedi dod o hyd i bethau od iawn? - e-bostiwch luniau at beach-watch@mcsuk.org

Pren mesur (cm)



Rhif categori a disgrifiad o'r eitem	Tali	Cyfanswm
5 Pren		
Arall 0-50 cm (manylwch) Disgrifiad:		
Arall 50cm + (manylwch) Disgrifiad:		
6 Metel		
Arall 0-50cm (manylwch) Disgrifiad:		
Arall 50cm + (manylwch) Disgrifiad:		
E.e. 10 plastr		

Crynodeb o Arolwg Beachwatch

- ◆ Er mwyn i'ch data gyfrif, sicrhewch eich bod yn rhoi gwir werthoedd yn unig – ni ellir defnyddio 'lot', 'nifer', 'llond bag', neu 'cannoedd'.
- ◆ Cwblhewch un crynodeb o arolwg y digwyddiad.

Enw'r Traeth *	Dyddiad ac amser yr arolwg *
Lleoliad y Traeth	Dyddiad:
Tref agosaf:	Amser Cychwyn: Amser Gorffen:
Sir:	Manylion y Trefnydd
Lledred / Cyfeirnod Grid OS:	Enw:
Hydred / Cyfeirnod Grid OS:	Rhif Ffôn:
	E-bost:

Gwybodaeth hollbwysig * (angenrheidiol, neu ni allwn dderbyn data'r arolwg)

Hyd y traeth a arolygwyd (dylai fod yn 100m):	Nifer y gwirfoddolwyr:	Nifer y bagiau bin llawn:
---	------------------------	---------------------------

Gwybodaeth ychwanegol

Pryd gafodd y traeth ei lanhau ddiwethaf?	Cyfanswm pwysau'r gwastraff a gasglwyd o ardal yr arolwg (kg)
Hyd cyfartalog y traeth a arolygwyd (m)	A wnaethoch lanhau, ond heb arolygu unrhyw ardaloedd ychwanegol? Os gwnaethodch, faint? (m)

Tywydd a ffactorau dylanwadol (yn yr wythnos yn arwain at yr arolwg)

Gwyntoedd: <input type="checkbox"/> Alltraeth <input type="checkbox"/> Artraeth <input type="checkbox"/> Ysgafn <input type="checkbox"/> Cryf Moroedd: <input type="checkbox"/> Tawel <input type="checkbox"/> Cymedrol <input type="checkbox"/> Garw <input type="checkbox"/> Llanw uchel eithriadol	A oedd unrhyw amgylchiadau a ddylanwadodd ar yr arolwg? E.e. digwyddiadau traeth
--	--

Yr hyn a ganfyddoch

A ddaethoch o hyd i unrhyw eitemau estron neu olrheiniadwy? Nodwch yr holl farciau adnabyddadwy, megis gwlad y mae'n tarddu ohono, cwmni, rhif cyfres ac ati	A ddaethoch o hyd i anifeiliaid a oedd wedi mynd yn sownd neu wedi marw? <input type="checkbox"/> Do <input type="checkbox"/> Naddo Os do, faint?
	Os do, disgrifiwch yr anifail, neu rhowch enw'r rhywogaeth os yw'n hysbys:
	A yw'r anifail yn sownd mewn ysbwriel? <input type="checkbox"/> Ydi <input type="checkbox"/> Nac ydi
	Os ydi, disgrifiwch sut mae'n sownd a math yr ysbwriel:
A ddaethoch o hyd i unrhyw eitemau anarferol? Cofiwch gynnwys yr eitemau hyn i gyd wrth gyfrifo y nifer cyfanswm dros y dudalen	A yw'r anifail yn Fyw neu Marw Os dewch o hyd i anifail sydd yn sownd neu wedi brifo, ffo-niwch yr RSPCA ar 0300 1234999 neu'r SSPCA yn yr Alban ar 03000 999999
A oedd unrhyw olew, tar neu lygrydd arall? Os ydych yn dod ar draws digwyddiad o lygredd neu flwm algaid, rhowch wybod i'r rheolydd amgylcheddol ar 0800 807060.	
Olew/tar*: <input type="checkbox"/> Dim <input type="checkbox"/> Mymryn <input type="checkbox"/> Ychydig <input type="checkbox"/> Annerbyniol	
Peli plastig*: <input type="checkbox"/> Dim <input type="checkbox"/> Presennol	

1 Plastig / Polystyren

tali Cyfanswm

Pecyn 4/6 o groesfarrau caniau diod (*yokes*)
 Bagiau (e.e. siopa)
 Bagiau (bach, e.e. rhewgell / llysiâu)
 Bagiau: Rhwyll (e.e. llysiâu)
 Poteli / cynhwyswyr: glanhau
 Poteli / cynhwyswyr: diodydd
 Poteli / cynhwyswyr: pethau ymolchi / cosmetig
 Darnau ceir
 Capiâu / caeadau
 Taniwr sigarêts / pyrsiau baco
 Cribau / Brwsys gwallt / sbectolau haul
 Cynhwyswyr: Bwyd (gan gynnwys bwyd cyflym)
 Cwpanau
 Cyllyll a ffyrç / hambyrddau / gwellt
 Lein bysgota
 Net pysgota a darnau net: 0-50cm
 Net pysgota a darnau net: 50cm +
 Fflôt / bwiau
 Ewyn / sbwng / insiweiddio
 Menig (e.e. golchi llestri)
 Menig (diwydiannol/proffesiynol)
 Cynhwyswyr olew / drymiau: 0-50cm
 Pecynnu / gorchuddion plastig (diwydiannol)
 Pacedi: Creision / melysion / lolipops (gan gynnwys ffyn) / brechdanau
 Ysgrifbinnau a chaeadau ysgrifbinnau
 Darnau plastig / polystyren: 0-2.5cm
 Darnau plastig / polystyren: 2.5-50cm
 Darnau plastig / polystyren: 50cm +
 Esgidiau / sandalau
 Cetrís gwn hela
 Bandiau mawr
 Llinyn / cortyn / rhaff (trwch 0-1cm)
 Tameidiau bagiau
 Poteli / cynhwyswyr / drymiau: Arall
 Bwcedi
 Cratiau
 Gwrtaith / bagiau bwyd anifeiliaid
 Bocsys pysgod
 Hetiau caled
 Chwistrelliad cetrís gwn (e.e. sêl)
 Caniau jeri

Light / glow sticks (tiwbiau gyda hylif)

Blaen cynffon cimwch a physgod
 Cewyll a thopiau cimwch / crancod
 Cewyll octopws
 Cynhwyswyr / drymiau olew: 50cm +
 Netiau wystrys / bagiau cregyn glas (gan gynnwys caeadau plastig)
 Hambyrddau wystrys (o ddiwylliannau wystrys)
 Gorchuddion o ddiwylliant cregyn glas (Tahitiaid)
 Arall (nodwch)

2 Rwber

tali Cyfanswm

Dillad / esgidiau / tyweli
 Sachlieiniau
 Dodrefn
 Esgidiau (lledr)
 Arall (nodwch)

4 Papur / Cardfwrdd

tali Cyfanswm,

Bagiau
 Cardfwrdd
 Cartonau (*purepak* e.e. llefrith)
 Cartonau (tetrapak e.e. sudd)
 Pacedi sigarêts
 Stympiau sigarêts
 Cwpanau
 Papurau newydd / cylchgronau
 Arall (nodwch)

5 Pren wedi'i beiriannu

tali Cyfanswm

Cyrc
 Ffyn lolipop / ffyrç sglodion
 Cewyll a thopiau crancod / cimwch
 Cratiau
 Bocsys pysgod
 Brwsys paent
 Paledi
 Arall 0-50cm (nodwch)
 Disgrifiad:
 Arall 50cm + (nodwch)
 Disgrifiad:

6 Metel tali Cyfanswm

Aeosol / caniau chwistrellu
Barbeciws (tafladwy)
Caniau (diod)
Caniau (bwyd)
Capiau / caeadau
Pwysau pysgota / bachau / llithwyr
Papur ffoil
Sgrap
Gwifren / rhwyll / gwifren bigog
Teclynnau
Cewyll a thopiau cimwch / crancod
Drymiau olew
Tuniau paent
Arall 0-50cm (nodwch)
Disgrifiad:
Arall 50cm + (arall)
Disgrifiad:

7 Gwydr tali Cyfanswm

Poteli
Bylbiau / tiwbiau golau
Arall (nodwch)

8 Crochenwaith / Seramig tali Cyfanswm

Defnydd adeiladu (e.e. teiliau)
Cewyll octopws
Arll (nodwch)

9 Glanweithiol tali Cyfanswm

Ffyn 'cotton buds'
Tamponau a dodwyr (*applicators*)
Papiau / papiau bach / deunydd pecynnu
Weipiau gwlyb
Condomau
Freshener toiled
Arall (nodwch)

10 Meddygol tali Cyfanswm

Cynhwyswyr / tybiau (gan gynnwys pacedi tabledi)
Chwistrelli a nodwyddau
Arall (nodwch)

11 Ysgarthion (peidiwch â chyffwrdd) tali Cyfanswm

Baw cŵn mewn bag

12 Llygrwyr tali Cyfanswm

Darnau paraffin / cŵyr: 0-1cm
Darnau paraffin / cŵyr: 1-10cm
Darnau paraffin / cŵyr: 10cm +
Arall (nodwch)

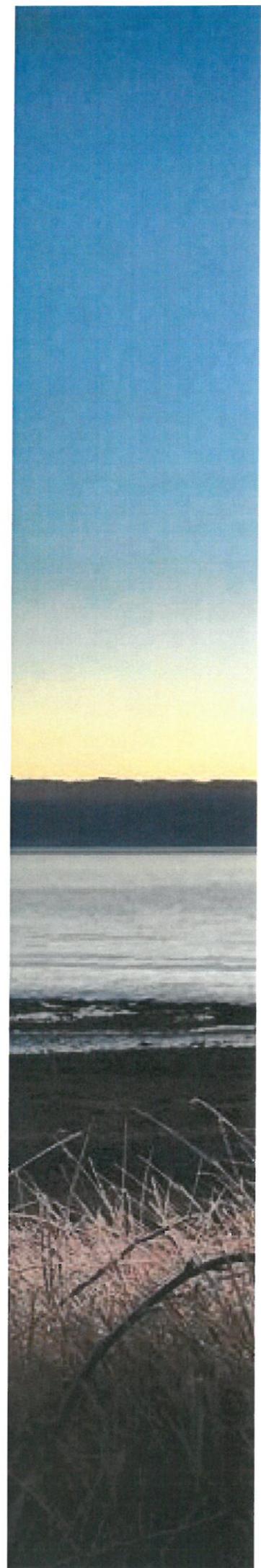
Y Gymdeithas Cadwraeth Forol. Overross House, Ross Park, Ross-on-Wye, Herefordshire HR9 7QQ T 01989 567 807 E beachwatch@mcsuk.org W www.mcsuk.org/beachwatch

Rhif Elusen Gofrestredig (Lloegr a Chymru): 1004005 Rhif Elusen Gofrestredig (Yr Alban): SC037480 Rhif Cwmni Cyfyngedig gyda Gwarant : 2550966 Cofrestredig yn Lloegr Rhif TAW: 489 1505 17

© Y Gymdeithas Cadwraeth Forol (MCS) 2015. Cedwir Pob Hawl. Gallai'r dudalen hon gael ei ffotogopïo neu ail-greu ar gyfer defnydd i'r prosiect *Beachwatch*. Am bob defnydd arall gofynnwch am ganiatâd gan MCS

Tool 3: Survey data analysis tables

- Summary from all 5 surveys conducted by the Llŷn Marine Ecosystems Project between 2016-2018
- Full Beachwatch recordings from all 5 surveys conducted by the Llŷn Marine Ecosystems Project between 2016-2018

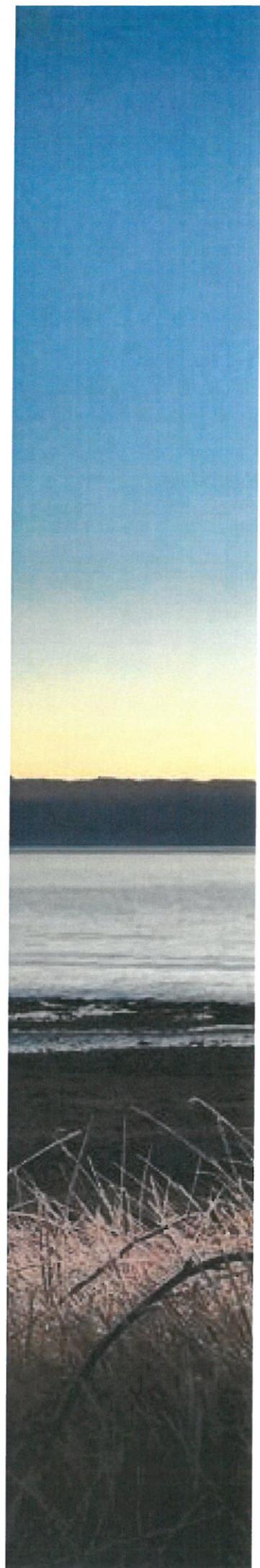


Beachwatch Survey Information		Total
Survey Area	Length of beach surveyed (m)	50m
	Average width of beach surveyed (m)	25m
	How many volunteers doing the survey	18
	How many bag's full from survey area	14
	Weight of rubbish collected from survey area (kg)	28kg
Extra Area	Extra area cleaned (m)	500m
	How many volunteers cleaning extra area	64
	How many bag's full from extra areas	89
	Weight of rubbish collected from extra area (kg)	158 kg
Types of Litter Collected	Plastic/Polystyrene	4440
	Rubber	3
	Cloth	2
	Paper/Cardboard	1
	Wood	0
	Metal	12
	Glass	8
	Pottery/Ceramics	0
	Sanitary	12
	Medical	0
	Faeces	0
Pollutants	0	

Combined Beachwatch survey information from all 5 surveys conducted by the Llŷn Marine Ecosystems Project between 2016-2018

Survey Area	Date of Survey					Total
	23/04/2017	21/05/2017	24/06/2017	13/08/2017	22/10/2017	
Length of beach surveyed (m)	50m	50m	50m	50m	50m	50m
Average width of beach surveyed (m)	25m	25m	25m	25m	25m	25m
How many volunteers doing the survey	4	4	2	4	4	18
How many bag's full from survey area	4	3	1	4	2	14
Weight of rubbish collected from survey area (kg)	10kg	5kg	5kg	4kg	4kg	28kg
Extra area cleaned (m)	500m	500m	500m	500m	500m	500m
How many volunteers cleaning extra area	15	15	4	15	15	64
How many bag's full from extra area	20	30	4	20	15	89
Weight of rubbish collected from extra area (kg)	40kg	46kg	4kg	40kg	28kg	158 kg
Plastic/Polystyrene	870	1500	613	147	1310	4440
Rubber	3	0	0	0	0	3
Cloth	2	0	0	0	0	2
Paper/Cardboard	1	0	0	0	3	1
Wood	0	0	0	0	0	0
Metal	4	1	0	4	3	12
Glass	3	0	0	0	5	8
Pottery/Ceramics	0	0	0	0	0	0
Sanitary	0	0	0	0	12	12
Medical	0	0	0	0	0	0
Faeces	0	0	0	0	0	0
Pollutants	0	0	0	0	0	0
Winds	Onshore/Light	Onshore/Strong	Onshore/Light	Onshore/Light	Onshore/Light	Onshore/Light
Seas	Calm	Moderate	Moderate	Moderate	Rough	
Stranded, entangled or dead animals	N/A	N/A	N/A	N/A	2 dead seal pups	
Circumstances that influenced the survey	N/A	N/A	N/A	N/A	Storms Ophelia and Brian had occurred in the previous fortnight	

Tool 4: Bilingual (Welsh & English) designs of the
#2minutebeachclean board



CARWCH Y TRAETH!

PEIDIWCH A GADAEL I SBWRIEL EI DDIFETHA

GWNEWCH WAHANIAETH GYDA

#2 MINUTE BEACH CLEAN

CYMERWCH FAG,
CODWCH Y SBWRIEL



SNAPIWCH A THAGIWCH



RHANNWCH



AILGYLCHWCH BE
ALLWCH CHI



RHOWCH O YN Y BIN



YD YN DARFODD YN Y

PROSIECT ECOSYSTEMAU MOROL LLŶN

DYLAN'S

LOVE THE BEACH!
DON'T LET LITTER SPOIL IT

MAKE A DIFFERENCE WITH A
**#2 MINUTE
BEACH CLEAN**

TAKE A BAG
PICK UP LITTER 

SNAP IT AND TAG IT 

SHARE IT 

RECYCLE WHAT YOU CAN 

BIN IT 

IN PARTNERSHIP WITH

LLŷN MARINE ECOSYSTEMS PROJECT

DYLAN'S



DEFNYDDIWCH
FI I GODI
SBWRIEL

USE ME
TO PICK UP
LITTER



#2MINUTE
BEACH
CLEAN



BEACHCLEAN.NET

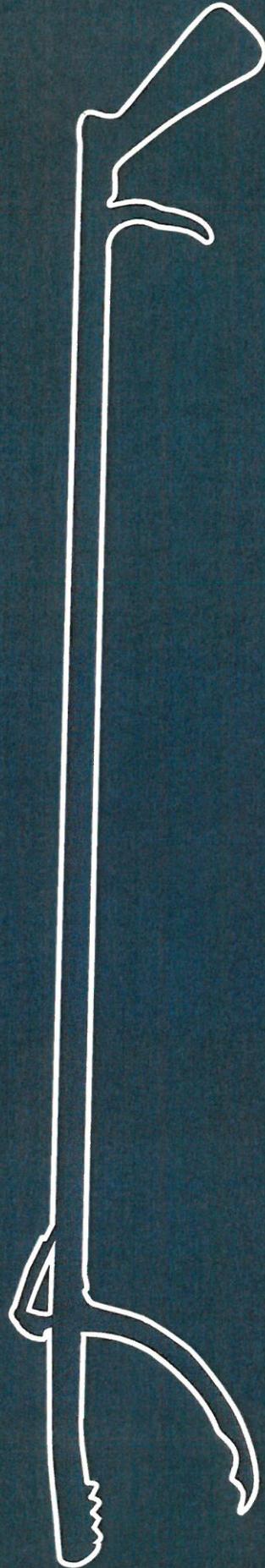


DEFNYDDIWYD GAN

SUPPORTED BY

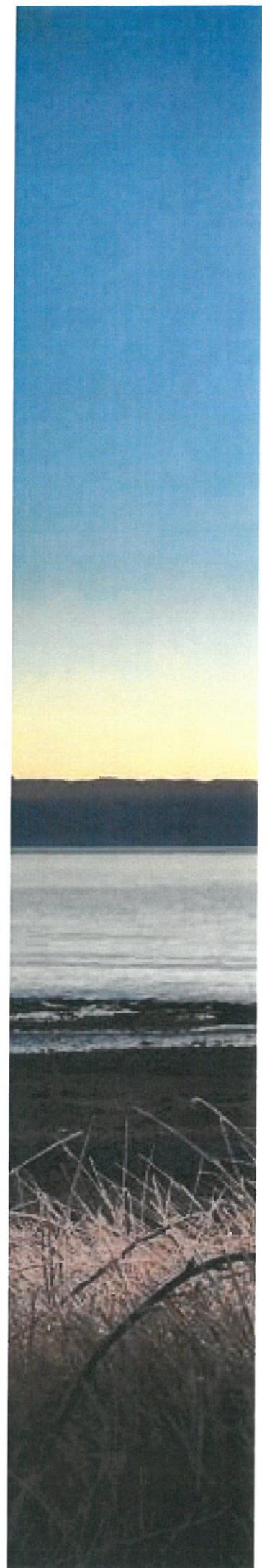
surfdome

#ENJOY THE RIDE



DEFYDDIWC'H FI I GŏDI SAWRIEL RHOWC'H O YN Y BAG SNAPWC'H A THAGWC'H #2MINUTEBEACHCLEAN AR INSTAGRAM NEU TWITTER (GWELWC'H EICH LLUNTAU AR BEACHCLEAN.NET) RHOWC'H SBWRTEL YN Y BIN
USE ME TO PICK UP LITTER BAG IT UP SNAP IT AND TAG IT #2MINUTEBEACHCLEAN ON INSTAGRAM OR TWITTER (SEE YOUR PICS AT BEACHCLEAN.NET) DROP LITTER IN THE BIN

Tool 5: Examples of biodegradable packaging available



Vegware is a manufacturer and visionary brand, and the only completely compostable packaging company operating globally.

<https://www.vegware.com/>

V A Whitleys offer a range of Birch Wood cutlery: strong and environmentally friendly, perfect for use with light meals, buffets and barbecues.

<https://www.vawhitley.co.uk/ecommerce/search/KF17.aspx>

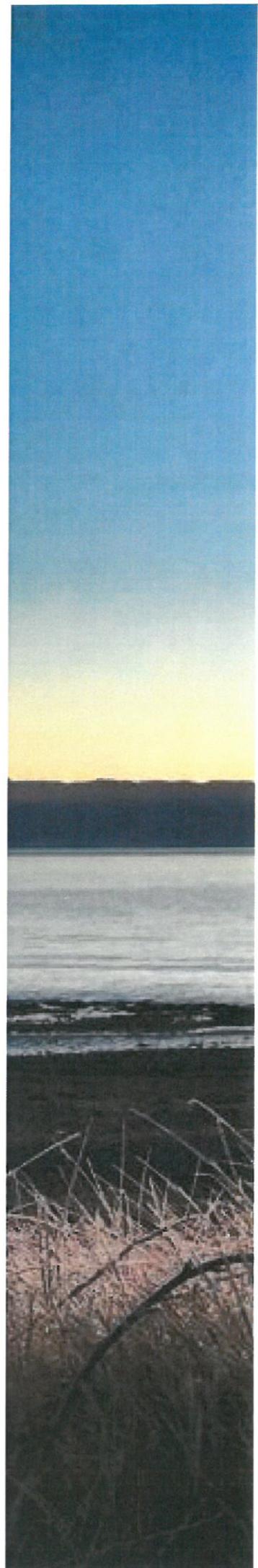
Plastico is committed to protecting the environment and therefore offers customers a wide choice of products that are environmentally friendly. This ranges from bamboo and wooden products produced from commercially grown crops to plastic cutlery, tumblers and straws that are manufactured using Oxo-biodegradable material. The visual and practical aspects of the products remain. However, due to a cellulose additive within the material, once the products are disposed of, the degradation process begins.

<http://www.plastico.co.uk/catering/biodegradable.html>

Harlech Food Services Limited now have some paper straws available, the company is a food outlet, situated on the Llŷn Peninsula.

<http://www.harlech.co.uk/1/en-GB/Home-page>

Tool 6: Last Straw campaign logo





I'R **G**WELLT A'R **G**WELLYN

THE **L**AST **S**TRAW