



Complete Agenda

Democratic Service
Swyddfa'r Cyngor
CAERNARFON
Gwynedd
LL55 1SH

Meeting

PORTHMADOG HARBOUR CONSULTATIVE COMMITTEE

Date and Time

5.30 pm, TUESDAY, 5TH OCTOBER, 2021

Location

Virtual Meeting - Zoom

(for public access, please contact us)

Contact Point

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(DISTRIBUTED 27/09/21)

MEMBERSHIP:

Gwynedd Council:

E. Selwyn Griffiths
Alwyn Gruffydd
Nia Wyn Jeffreys

Local Member
Local Member
Local Member

Co-Opted Members:

Llywelyn Rhys
To be confirmed
David Eastwood
Dr John Jones-Morris
Ian Roberts
Robert Owen
Chris Fisher

Porthmadog Town Council Representative
Representing Landowners' Interests
Representing Harbour Interests
Representing Leisure Interests
Representing Industrial Interests
Representing Commercial Interests
Representing Criccieth Lifeboat Institution

Observers:

Gareth Thomas
David Williams
Rob Triggs
Peter Read

Cabinet Member for Economic Development
Aberdyfi Harbour Consultative Committee
Barmouth Harbour Consultative Committee
Pwllheli Harbour Consultative Committee

A G E N D A

1. ELECTION OF CHAIR

To elect a Chair for 2021/22.

2. ELECTION OF VICE-CHAIR

To elect a Vice-chair for 2021/22.

3. APOLOGIES

To receive any apologies for absence.

4. DECLARATION OF PERSONAL INTEREST

To receive any declaration of personal interest.

5. URGENT BUSINESS

To consider any items which are urgent matters in the opinion of the Chairman.

6. MINUTES

4 - 7

The Chairman will propose that the minutes of the meeting of this committee, held on 10th March, 2021, be signed as a true record.

7. UPDATE ON HARBOUR MANAGEMENT MATTERS

8 - 23

To submit a report by the Senior Harbours Officer.

8. DATE OF THE NEXT MEETING

To note that the next meeting of the Porthmadog Harbour Consultative Committee will be held on 8TH March, 2022.

PORTHMADOG HARBOUR CONSULTATIVE COMMITTEE 10/03/21

PRESENT:

Councillor Selwyn Griffiths (Chairman)
Councillor Nia Jeffreys (Vice-chair)

Councillor Llywelyn Rhys (Porthmadog Town Council Representative), Dr John Jones-Morris (Leisure Interests Representative) and Will Walker Jones (Cricieth RNLI Representative).

OBSERVERS: Councillors Gareth Thomas (Cabinet Member - Economy and Community) and Rob Triggs (Barmouth Harbour Consultative Committee)

ALSO IN ATTENDANCE: Barry Davies (Maritime Manager), Arthur Francis Jones (Senior Harbours Officer), Malcolm Humphreys (Porthmadog Harbourmaster) and Eirian Roberts (Democratic Services Officer).

1. CHAIR

RESOLVED to elect Councillor Selwyn Griffiths as Chair of this Committee for 2020/21.

2. VICE-CHAIR

RESOLVED to re-elect Councillor Nia Jeffreys as Vice-chair of this Committee for the year 2020/21.

3. APOLOGIES

Apologies were received from Councillor Alwyn Gruffydd, David Eastwood (Harbour Interests Representative) and Ian Roberts (Industrial Interests Representative).

4. DECLARATION OF PERSONAL INTEREST

No declarations of personal interest were received from any members present.

5. URGENT ITEMS

No urgent items were received.

6. MINUTES

The Chair signed the minutes of the previous meeting of this committee held on 11 March, 2020 as a true record.

7. UPDATE ON HARBOUR MANAGEMENT MATTERS

The reports below were presented, and members were invited to give feedback on safety matters and harbour operational matters.

- (1) The Senior Harbour Officer's report, updating the committee on Harbour matters for the year ending March 2021.

Members were requested to send any observations on the Port Marine Safety Code to the service.

The Principal Maritime Officer noted that an estimate of the harbour budget from 1/4/20 to 31/3/1 had been sent very recently to members, and he gave details on the current situation and noting:-

- During the first lockdown the Council was required to consider reducing the fees and costs for mooring holders, as there was a balance to be struck between retaining future customers, or losing them completely to other harbours.
- He wished to thank local members for the support given to reduce costs to customers by 30% during the period May-July last year.
- That not charging any fee on customers was not an option at all during this period, as harbour maintenance costs continued.
- The details of the individual budgets were as follows:-

Group	Description	Budget £	Expenditure up to 31/03/21 £	Over / Under Spend £
Staff	Staff Costs	60,180	60,899	719
Property	Land and Property	23,140	10,907	(12,233)
Transport	Boat and Vehicles	640	640	0
Equipment & Tools	Equipment & Tools	9,930	12,252	2,322
Income	Harbour Income	(74,580)	(47,645)	26,935
Total	Total	19,310	37,052	17,742

- Due to the pandemic and the reduction in the number of boats moored in the harbour last year, that the harbour income was approximately £27,000 lower than the target for the year.
 - That the target at the end of the year, taking the income and expenditure into consideration, was that Porthmadog Harbour cost £19,000 for the ratepayers, but unfortunately, due to the lack of income, the difference was £37,000 as the harbour would have an overspend of approximately £18,000 this financial year.
 - This was the first time for many years for the service to report on such a serious financial position of the harbour, and 2021 was also likely to be a difficult year, bearing in mind the major uncertainty in the maritime industry.
 - The pontoons could assist the situation as they were there throughout the year.
 - Harbour Fees and Charges for 2021/22 had now been authorised by Council officers and leaders for publication.
- (2) The Harbourmaster's report, summarising the navigational and operational matters that had arisen between October 2019 and March 2021, including maintenance matters.

The Harbourmaster noted that harbour staff wanted to send their best wishes to Councillor Alwyn Gruffydd, following his recent ill-health. The Chair agreed to send a

message to the member, on everyone's behalf, members and officers, wishing his a full and speedy recovery.

The Harbourmaster further noted:-

- The Fairway Buoy had gone out on station at the end of last week, and Buoy Number 2 had been replaced by Buoy Number 1, and Buoy number 3 replaced by Buoy Number 2.
- That another transformer would arrive in 2023 and the Principal Maritime Officer had commenced discussions with the company.
- Divers had undertaken an underwater inspection of harbour moorings in the last few days, and had already replaced approximately 48 risers. The cost of the work was significant, however an additional year had been gained, as this type of work was not conducted last year, as there had been so little use made of the harbour.
- There was a need for a substantial sum of expenditure on the 'Dwyfor' boat. The service was currently seeking prices for the work and it was hoped that the boat would return to Porthmadog within about two weeks.

Officers and harbour staff were thanked for all their work in maintaining the service during an incredibly difficult year, and officers were requested to pass this message on to all.

During the ensuing discussion, the following matters were raised:-

- That the transportation of the transformer from Morfa Bychan beach to Trawsfynydd had worked particularly well, and had attracted many people, and staff had been very willing to talk with people and children, explaining what was happening. The only difficulty was the failure to cut trees beforehand, and this had to be undertaken on the day. In response, it was explained that it was intended to consult the harbour committee and the community to ensure that the transport of the second transformer, that would arrive around June 2023, would go smoothly, and the next time to work of cutting trees would occur about a week beforehand.
- Reference was made to concerns that had arisen last year that personal watercraft and powerboats went too close to the beaches, particularly in Bae Samson, where people were swimming in the water. In response, it was agreed that it was necessary to tighten control of boats in Bae Samson and in Morfa Bychan and Cricieth, and an assurance was given that this would occur in 2021. It was further noted that support was given to appoint more wardens this summer and a team of 3 would be working at Morfa Bychan from 1 April onwards, with 9-10 joining the team as the season got busier.
- It was noted that the gate to prevent the tide from overflowing onto Borth y Gest car park was working well; however, people should use common sense, and not complain that it was closed. In response, it was noted that the staff would open the gate once the weather would improve and it was safe to do so.
- Reference was made to a problem that arose last year with parking on Lôn Treflys causing congestion from Morfa Bychan back to the High Street, Porthmadog, and it was noted that discussions were underway with the Highways Department to introduce double yellow lines on this section of the road. In response, it was explained that if there was congestion again this year in Morfa Bychan, the Council had a plan to reduce the problem for the village by allowing free access to Mora Bychan beach until the congestion had cleared. It was also noted that the Police had been very supportive, working as part of the team, and came down to Morfa Bychan when difficulties arose.

- It was noted that the sand dunes in Mora Bychan were healthy, and that the beach level had risen substantially, creating a large dip in the entrance. It was proposed to clear the sand before Easter to enable traffic to go on the beach.
- Reference was made to the collaboration between the Economy, Environment and Highways Department of Gwynedd Council to try and cope with the number of visitors this summer, and members were asked to inform the Council if they anticipated any problems.
- It was asked what lessons had been learnt from the difficult period over last year. In response, it was noted that vehicle control plan at Morfa Bychan had worked well, by restricting vehicles to one section only of the beach, releasing the rest of the beach for people to walk, play games etc. safely. This had also facilitated the work of monitoring the beach, and had reduced the problem of vehicles becoming stuck in the sand, and lost to the sea. There was no opportunity to speed now, as vehicles were fairly close to each other. It was added that technology had also assisted and it was hoped to be able to disconnect the 999 telephone near the entrance to Morfa Bychan beach, and connect to a fast BT line, that could receive electronic payments. The boat registration system had also changed, with registrations moving on-line only, and therefore releasing staff at the centres to undertake more practical work on the beaches. Also, as a result of the collaboration with the Highways Department, there had been an increase in the number of litter collections on the beaches, and recycling had also been looked at. There had also been an increase in the number of staff, and this was an opportunity to strengthen the teams for the coming season. The service was also working on technology to draw attention to the dangers of the sea.
- In response to a question, it was explained that everything would be ready to charge an admission fee to Morfa Bychan beach by 1 April, however, this was totally dependent on what would happen with lockdown. Therefore, there would be an opportunity to trial this prior to the commencement of the peak period in May.
- It was noted that the Cricieth Lifeboat crew had not had the usual opportunity to practice over the last few months, and people needed to realise that the Lifeboat would not go out as quick as the regulations would have to be followed and ensure that all the crew was safe.

The Chair implored members to contact the Council if they see any difficulties arising over the summer, and he noted that Gwynedd was very willing to welcome visitors who show respect to the area.

8. NEXT MEETING

It was noted that the next meeting would be held on 5 October, 2021.

The meeting commenced at 5.30 pm and concluded at 6.15 pm

CHAIR

Agenda Item 7

MEETING	Porthmadog Harbour Consultative Committee
DATE	5th October 2021
TITLE	Update on Harbour Management Matters
AUTHOR	Senior Harbours Officer

1. Introduction.

- 1.1 The Committee's main function is to consider, discuss and advise on matters relating to the management, safety and development of the Harbour and to receive Member's observations on matters relating to Porthmadog Harbour.
- 1.2 The purpose of this report is to provide a brief update for the attention of the Committee on harbour matters for the period March 2021 to October 2021, in order to receive feedback from the members on safety matters and the operational matters of the Harbour.
- 1.3 The Porthmadog Harbour Committee is a statutory Harbour Committee, set up in accordance with Section 6(2) (a-j) of the Porthmadog Harbour Revision Order 1998. The order provides that fifteen (15) members serve on the Porthmadog Harbour Consultative Committee. A comprehensive list of the groups and organisations represented on the Harbour committee can be seen in the Harbour Order.

2. Porthmadog Moorings and Boat Registration.

- 2.1 There has been 112 boats on annual moorings within the harbour of Porthmadog in 2021. This compares with 64 boats on moorings in 2020.
- 2.2 On the whole when comparing all Gwynedd Council Harbours, there has been an increase in the number of customers over the past year in all harbours. The increase in the number of vessels moored in the harbours reflects the gradual release of the Coronavirus lockdown restrictions in Wales.
- 2.3 This season the Service provided the opportunity for members of the public to register powered craft on-line through the Gwynedd Council Website.
- 2.4 748 Personal Watercraft (Jetskis) were registered on-line.
- 2.5 516 Powerboats were registered on-line.
- 2.6 In addition to the above figures, 1131 Personal Watercraft and Powerboats were registered on paper by persons visiting the various maritime offices across Gwynedd, providing a total of 2395 as the number of vessels registered.

3. Port Marine Safety Code.

- 3.1.1 The Port Marine Safety Code ('PMSC') sets out a national standard for every aspect of port marine safety. Its aim is to enhance safety for everyone who uses or works in the port marine environment. It applies to all Statutory Harbour Authorities.

The Code represents good practice as recognised by a wide range of industry stakeholders and Gwynedd Council understands that a failure to adhere to good practice may be indicative of a harbour authority being in breach of certain legal duties.

3.1.2 The Service regularly reviews the Port Marine Safety Code for the harbours under its jurisdiction in order to remain in full compliance with the current requirements of the Code. As part of the review process, it is necessary to receive the comments and views of Consultative Committee Members on the suitability of the Port Marine Safety Code and to regularly receive observations on its contents, particularly with relevance to the harbour activities, navigational aids, suitability of by-laws, safety matters and general day to day work at Porthmadog Harbour.

4. Staffing Matters.

The staffing level at the harbour of Porthmadog has remained unchanged since the previous report to the Committee, with the Harbourmaster Mr Malcolm Humphreys ably supported by a full-time harbour assistant Mr Richard Hughes. The Service is also able to call upon staff based at the harbours of Barmouth and Aberdyfi to assist with any work in the harbour of Porthmadog if required.

5. Financial Matters.

5.1 A brief summary of the harbour budget and current financial situation up to the end of the quarter will be provided by the Principal Maritime Officer.

5.2 During this period it was necessary to commit financial resources for the following;

- Maintenance of navigational aids and beacons
- Inspection and maintenance of Council moorings
- Maintenance and operation of the of Harbour patrol vessel
- Maintenance of the vessel 'Dwyfor'. Investment to maintain the boat in order to meet the Code of Practice requirements and maintain lifting apparatus. The vessel is permanently located at Porthmadog harbour to facilitate the movement of navigation aids in the Porthmadog Channel.
- Maintenance of lands and benches

5.3 Fees and Charges. 2022/23.

With regard to the prospective fees and charges for Porthmadog Harbour together with the Powerboat and Personal Watercraft launching fees for 2022/2023 season, it is the intention of the service to adjust the fees in line with the rate of inflation. At this time the Service is yet to receive confirmation of the rates to be applied.

6. Harbourmasters Report. The Harbourmaster at Porthmadog will provide a summary of the Navigational and Operational matters undertaken and encountered during the period March 2021 - October 2021 inclusive, including maintenance issues. A copy of his report is attached.

MEETING	Porthmadog Harbour Consultative Committee
DATE	5th October 2021
TITLE	Harbourmasters Report
AUTHOR	M. Humphreys Porthmadog Harbourmaster

H 1 Navigational Issues

- 1.1 The course of the navigable channel into the harbour has, in the main, been the same over the summer period, but a gradual movement of the channel entrance towards the direction of Harlech has been observed.
- 1.2 The course of the navigable channel will continue to be monitored and if necessary, with the appropriate consent from Trinity House, the Fairway buoy will be re-positioned towards Harlech to bring it more in line with the channel approach from seaward.
- 1.3 There are currently two Local Notice to Mariners in force concerning the navigation marks in the channel.
 - 1.3.1 Local Notice to Mariners No 1/21. The Starboard aid to Navigation No 3 Buoy at position 52° 53.177'N - 004° 09. 910'W is currently not on station.
 - 1.3.2 Local Notice to Mariners No 18/21. The Starboard aid to navigation No 5 Buoy located at position 52° 53.786'N - 004° 09. 339'W is currently not on station. This particular buoy had to be removed from the channel having suffered what appeared to be collision damage, causing the buoy to become partially submerged.
- 1.4 Following consent received from Trinity House, the Port aid to navigation buoy No 6 at position 52° 53.662'N - 004° 09. 509'W and the Starboard aid to navigation buoy No 11 at position 52° 54.449'N - 004° 08.965'W, were commissioned into service to assist mariners in safely negotiating the channel.
- 1.5 The Service is to receive its annual inspection of the Navigational Aids within the Harbour of Porthmadog and the channel approach by Trinity House staff on the 27th September 2021. A report on their findings will follow. The result of the report will be relayed to the Harbour Committee once received.
- 1.6 Mariners are reminded of the need to navigate the channel 1.5 hours either side of high water when navigating a vessel with a draft in excess of 1.5 metres. Mariners are also reminded that contact should be made with the harbour office prior to any departure or approach, to obtain the latest navigational and weather information.

H 2 Operational Issues

- 2.1 **Summer Season:** The harbour has seen a significant number of visitors to the area during this year, caused by the effect of the coronavirus restrictions on travel abroad. The harbour staff have been on constant watch both ashore and afloat, to ensure the safety of persons enjoying the environment, with regular patrols undertaken in the Porthmadog Channel.

- 2.1.1 Whilst the vast majority of visitors to the area were respectful of the harbour environment, there was a noticeable increase in the number of incidents of staff subjected to verbal abuse or gestures during the performance of their duties. The wanton discharge of litter around the harbour, and the ignorance of the existing Coronavirus epidemic by certain individuals has also been of concern.
- 2.1.2 The car park at the rear of the harbour office has been indicative of the busy summer period with an average income of £700.00 week, in what is a relatively small parking area.
- 2.2.1 **Mv Dwyfor:** As a consequence of necessary structural and mechanical repairs, the harbour vessel 'Dwyfor' has been out of service for the better part of the season.
- 2.2.2 In order for the vessel to comply with existing workboat legislation, a new bulkhead was required to be put in place between the engine bay and the cargo compartment. The vessel also required new main decking, including internal support structures installed aft of the wheelhouse, to a point aft of the engine bay. The work has been undertaken at a local boatyard at Pwllheli.
- 2.2.3 For the structural work to be conducted, the engine had to be lifted out of the vessel. Maintenance of the engine was then undertaken by a local marine engineering firm at Pwllheli, who also supplied and fitted a new propeller shaft to replace the existing worn shaft.
- 2.2.4 The vessel has now been returned to service with the extensive work undertaken on the vessels completed at a total cost of £15,212.53 to the Service
- 2.2.5 During the absence of the vessel 'Dwyfor' external contractor support has been utilised to assist in the movement of navigation marks when required.

H 3 Maintenance

- 3.1 Inspection and maintenance of the moorings in the harbour was carried out at the beginning of April to enable the mooring contractor to replace any worn equipment. In total sixty-six (66) riser chains were found to be in need of replacement together with a number of mooring buoys which were also replaced. The total cost of the operation to the Service was £4740.00
- 3.2 The harbour grounds including grass verges and hedges have been maintained throughout the busy period. With the agreement of members of the Canolfan, harbour staff now undertake the maintenance of the grass verge bordering the harbour walkway adjacent to the harbour-side wall of the Canolfan. The harbour slipway has also been subject to regular maintenance.
- 3.3 The harbourmaster will introduce the maintenance work programme to be carried out at Porthmadog harbour during the period October 2021 – February 2022. Feedback from Committee members is requested on any additional work that will need to be considered and included in the work programme.

H 4 Other Matters

4.1 **Department of Transport Consultation Paper:** The Service wishes to bring to the attention of Committee members the Department of Transport consultation paper on “Strengthening enforcement of the dangerous use of recreational and personal watercraft”. In essence the consultation paper proposes altering legislation to bring recreational and personal watercraft within the scope of the Merchant Shipping Act 1995, to ensure safe practices. The document is available for viewing on the United Kingdom government website by following the below link:

www.gov.uk/government/consultations/strengthening-enforcement-of-the-dangerous-use-of-recreational-and-personal-watercraft

4.1.1 Any comments should be sent to maritimesafety@dft.gov.uk.

4.1.2 The consultation closes at 11:45 pm on 1st November 2021.

4.2 **Harbour Benches:** Benches around the harbour environment have been refurbished with further work still to be completed. The service continues to receive requests for the placement of benches around the harbour and at Borth –Y-Gest, but there is only limited space available. A review of the matter is being undertaken by the Service and in consequence no further requests are being considered at this time.

4.3 **Beach Cleaning:** The Service remains grateful for the help received from local groups and individuals who have undertaken beach cleaning activities on the nearby beach of Black Rock Sands.

4.4 **Harbour Byelaws.** The Service continues to work towards updating the Porthmadog harbour Byelaws in association with the Legal department of Gwynedd Council.

H5 Events

5.1 Although a number of film and television companies have visited the area surrounding the harbour and nearby Black Rock Sands, proposed events scheduled to take place at the harbour this year were cancelled due to the continuing effects of the Coronavirus epidemic.

Uned Morwrol a Pharciau Gwledig / Maritime and Country Parks Unit
Cyfanswm wedi Cofrestru Badau Dwr Personol - Total number of Personal Watercraft Registrations

<i>Blwyddyn Year</i>	<i>Harbwr Aberdyfi Harbour</i>	<i>Harbwr Abermaw Harbour</i>	<i>Harbwr Porthmadog Harbour</i>	<i>Harbwr Pwllheli/ Hafan</i>	<i>Morfa Bychan</i>	<i>Traethau Gwynedd Beaches</i>	<i>Swyddfa Office</i>	<i>Cyfanswm Total</i>
2016	27 Aberdyfi 4 Tywyn	69	35	49 Total Boat Care 56 Hafan	183	101 Abersoch 20 Machroes 4 Morfa Nefyn 10 Nefyn 2 Aberdaron	174	734
2017	28 Aberdyfi 6 Tywyn	68	45	55 Total Boat Care 65 Hafan	165	122 Abersoch 10 Machroes 12 Morfa Nefyn 10 Nefyn 1 Aberdaron	151	738
2018	50 Aberdyfi 3 Tywyn	74	52	73 Total Boat Care 105 Hafan	200	188 Abersoch 9 Machroes 3 Morfa Nefyn 5 Nefyn 1 Aberdaron	160	923
2019	32 Aberdyfi 5 Tywyn	78	55	43 Total Boat Care 116 Hafan	184	137 Abersoch 5 Machroes 14 Morfa Nefyn 5 Nefyn 0 Aberdaron	153	827
2020	30 Aberdyfi	70	41	163 Hafan	178	236 Abersoch 23 Machroes 11 Nefyn	93	845
2021	16 Aberdyfi	65	--	142 Hafan	217	78 Abersoch 7 Machroes 11 Nefyn	--	--

Uned Morwrol a Pharciau Gwledig / Maritime and Country Parks Unit

Cyfanswm wedi Cofrestru Cychod Pŵer/ Llai na 10hp - Total number of Powerboat Registrations/ Less than 10hp

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<i>Blwyddyn Year</i>	<i>Harbwr Aberdyfi Harbour</i>	<i>Harbwr Abermaw Harbour</i>	<i>Harbwr Porthmadog Harbour</i>	<i>Harbwr Pwllheli Harbour</i>	<i>Morfa Bychan</i>	<i>Traethau Gwynedd Beaches</i>	<i>Swyddfa Office</i>	<i>Cyfanswm Total</i>
2016	58 Aberdyfi 7 Tywyn	81 Abermaw	37	115 Total Boat Care 4 Harbwr 119 Hafan	31	101 Abersoch 71 Machroes 27 Morfa Nefyn 14 Nefyn 10 Aberdaron	336	1011
2017	53 Aberdyfi 9 Tywyn	66 Abermaw	37	103 Total Boat Care 3 Harbwr 117 Hafan	29	125 Abersoch 40 Machroes 48 Morfa Nefyn 19 Nefyn 11 Aberdaron 6 Trefor	289	955
2018	53 Aberdyfi 14 Tywyn	75 Abermaw	38	112 Total Boat Care 177 Hafan	34	161 Abersoch 31 Machroes 52 Morfa Nefyn 15 Nefyn 5 Aberdaron	290	1057
2019	41 Aberdyfi a 16 Tywyn	66 Abermaw	33	97 Total Boat Care 172 Hafan	30	89 Abersoch 20 Machroes 60 Morfa Nefyn 14 Nefyn 12 Aberdaron	244	894
2020	51 Aberdyfi	46 Abermaw	16	281 Hafan	24	179 Abersoch 29 Machroes 57 Nefyn	152	835
2021	48 Aberdyfi	64	2	168 Hafan	26	105 Abersoch 39 Machroes 66 Nefyn	99	--

**** Nid yw'r ffigyrau uchod yn cynnwys y rhai sydd wedi cofrestru ar y ffos ****

Uned Morwrol / Maritime Unit
Ystadegau angorfeydd – Mooring statistics

<i>Harbwr Harbour</i>	<i>Nifer o Angorfeydd Available no of moorings</i>	<i>Preswlydd Occupancy</i>	<i>Preswyl yng Ngwynedd Residing in Gwynedd</i>	<i>Eraill Others</i>
<i>Aberdyfi 2016</i>	120	79 (65.8%)	36 (45.6%)	43 (54.4%)
<i>Aberdyfi 2017</i>	120	78 (65.0%)	36 (46.2%)	42 (53.8%)
<i>Aberdyfi 2018</i>	120	74 (61.7%)	37 (50.0%)	37 (50.0%)
<i>Aberdyfi 2019</i>	120	68 (56.7%)	32 (47.1%)	36 (52.9%)
<i>Aberdyfi 2020</i>	120	47 (39.2%)	23 (48.9%)	24 (51.1%)
<i>Aberdyfi 2021</i>	120	76 (63.3%)	34 (44.7%)	42 (55.3%)
<i>Abermaw 2016</i>	140	88 (62.9%)	60 (68.2%)	28 (31.8%)
<i>Abermaw 2017</i>	140	86 (61.4%)	59 (68.6%)	27 (31.4%)
<i>Abermaw 2018</i>	140	69 (49.3%)	44 (63.8%)	25 (36.2%)
<i>Abermaw 2019</i>	140	70 (50.0%)	45 (64.3%)	25 (35.7%)
<i>Abermaw 2020</i>	140	31 (22.1%)	24 (77.4%)	7 (22.6%)
<i>Abermaw 2021</i>	140	45 (32.1%)	31 (68.9%)	14 (31.1%)
<i>Porthmadog 2016</i>	238	129 (54.2%)	47 (36.4%)	82 (63.6%)
<i>Porthmadog 2017</i>	238	135 (56.7%)	54 (40.0%)	81 (60.0%)
<i>Porthmadog 2018</i>	238	131 (55.0%)	54 (41.2%)	77 (58.8%)
<i>Porthmadog 2019</i>	238	130 (54.6%)	60 (46.2%)	70 (53.8%)
<i>Porthmadog 2020</i>	238	64 (26.9%)	30 (46.9%)	34 (53.1%)
<i>Porthmadog 2021</i>	238	112 (47.1%)	42 (37.5%)	70 (62.5%)
<i>Pwllheli 2016</i>	114	58 (50.9%)	27 (46.6%)	31 (53.4%)
<i>Pwllheli 2017</i>	81	60 (74.1%)	28 (46.7%)	32 (53.3%)
<i>Pwllheli 2018</i>	81	55 (67.9%)	27 (49.1%)	28 (50.9%)
<i>Pwllheli 2019</i>	81	58 (71.6%)	40 (69.0%)	18 (31.0%)
<i>Pwllheli 2020</i>	81	50 (61.7%)	36 (72%)	14 (28%)
<i>Pwllheli 2021</i>	81	50 (61.7%)	36 (72%)	14 (28%)

<i>Hafan 2016</i>	409	287 (70.1%)	55 (19.2%)	232 (80.8%)
<i>Hafan 2017</i>	409	306 (74.8%)	57 (18.6%)	249 (81.4%)
<i>Hafan 2018</i>	409	292 (71.4%)	56 (19.2%)	236 (80.8%)
<i>Hafan 2019</i>	409	299 (73.1%)	57 (19.1%)	242 (80.9%)
<i>Hafan 2020</i>	409	288 (70.4%)	40 (13.9%)	248 (86.1%)
<i>Hafan 2021</i>	409	378 (92.4%)	77 (20.4%)	301 (79.6%)
<i>Doc Fictoria 2016</i>	100	92 (92.0%)	19 (20.7%)	73 (79.3%)
<i>Doc Fictoria 2017</i>	100	92 (92.0%)	16 (17.4%)	76 (82.6%)
<i>Doc Fictoria 2018</i>	100	90 (90.0%)	21 (23.3%)	69 (76.7%)
<i>Doc Fictoria 2019</i>	100	94 (94.0%)	20 (21.3%)	74 (78.7%)
<i>Doc Fictoria 2020</i>	100	90 (90%)	22 (24.4%)	68 (75.6%)
<i>Doc Fictoria 2021</i>	100	89 (89%)	21 (23.6%)	68 (76.4%)

Uned Morwrol a Pharciau Gwledig

Ystadegau Cychod Pŵer v's Cychod Hwyllo a Rhestr Aros - Powerboats v's Sailing Boats and Waiting List

<i>Harbwr/Harbour Marina</i>	<i>Cyfanswm Nifer Angorfeydd Total number available moorings</i>	<i>Cyfanswm Cychod ar Angorfeydd Total number of boats on mooring</i>	<i>Nifer Cychod Pŵer Total number Powerboats</i>	<i>Nifer Cychod Hwyllo Total number sailing boats</i>	<i>Canran (%) Pŵer V's hwyllo Percentage Power v's Sail</i>
Harbwr Aberdyfi 16	120	79	55	24	69.6% Pwer 30.4% Hwyllo
Harbwr Aberdyfi 17	120	78	56	22	71.8% Pwer 28.2% Hwyllo
Harbwr Aberdyfi 18	120	74	55	19	74.3 % Pwer 25.7% Hwyllo
Harbwr Aberdyfi 19	120	68	54	14	79.4% Pwer 20.6% Hwyllo
Harbwr Aberdyfi 20	120	47	44	3	93.6% Pwer 6.4% Hwyllo
Harbwr Aberdyfi 21	120	76	66	10	86.8% Pwer 13.2% Hwyllo
Harbwr Abermaw 16	140	88	59	29	67.0% Pwer 33.0% Hwyllo
Harbwr Abermaw 17	140	86	55	31	64.0% Pwer 36.0% Hwyllo
Harbwr Abermaw 18	140	69	45	24	65.2% Pwer 34.8% Hwyllo
Harbwr Abermaw 19	140	70	44	26	62.9% Pwer 37.1% Hwyllo
Harbwr Abermaw 20	140	31	21	10	67.7% Pwer 32.3% Hwyllo
Harbwr Abermaw 21	140	45	32	13	71.1% Pwer 28.9% Hwyllo
Harbwr Porthmadog 16	238	129	41	88	31.8% Pwer 68.2% Hwyllo
Harbwr Porthmadog 17	238	135	42	93	31.1% Pwer 68.9% Hwyllo
Harbwr Porthmadog 18	238	131	40	91	30.5% Pwer 69.5% Hwyllo

Harbwr Porthmadog 19	238	130	42	88	32.3% Pwer 67.7% Hwyllo
Harbwr Porthmadog 20	238	64	22	42	34.4% Pwer 65.6% Hwyllo
Harbwr Porthmadog 21	238	112	30	82	26.8% Pwer 73.2% Hwyllo
Harbwr Pwllheli 16	114	58	18	40	31.0% Pwer 69.0% Hwyllo
Harbwr Pwllheli 17	81	60	19	41	31.7% Pwer 68.3% Hwyllo
Harbwr Pwllheli 18	81	55	29	26	52.7% Pwer 47.3% Hwyllo
Harbwr Pwllheli 19	81	58	26	32	44.8% Pwer 55.2% Hwyllo
Harbwr Pwllheli 20	81	50	23	27	46% Pwer 54% Hwyllo
Harbwr Pwllheli 21	81	50	26	24	52% Pwer 48% Hwyllo
Hafan Pwllheli 16	409	287	137	150	47.7% Pwer 52.3% Hwyllo
Hafan Pwllheli 17	409	306	144	162	47.1% Pwer 52.9% Hwyllo
Hafan Pwllheli 18	409	292	150	142	51.4% Pwer 48.6% Hwyllo
Hafan Pwllheli 19	409	299	133	166	44.5% Pwer 55.5% Hwyllo
Hafan Pwllheli 20	409	288	140	148	48.6% Pwer 51.4% Hwyllo
Hafan Pwllheli 21	409	378	192	186	50.8% Pwer 49.2% Hwyllo
Doc Fictoria 16	100	92	34	58	37.0% Pwer 63.0% Hwyllo
Doc Fictoria 17	100	92	28	64	30.4% Pwer 69.6% Hwyllo
Doc Fictoria 18	100	90	49	41	54.4% Pwer 45.6% Hwyllo
Doc Fictoria 19	100	94	29	65	30.9% Pwer 69.1% Hwyllo

Doc Fictoria 20	100	90	26	64	28.9% Pwer 71.1% Hwyllo
Doc Fictoria 21	100	89	26	63	29.2% Pwer 70.8% Hwyllo
Cyfanswm 16	1121	733	344	389	46.9% Pwer 53.1% Hwyllo
Cyfanswm 17	1088	757	344	413	45.4% Pwer 54.6% Hwyllo
Cyfanswm 18	1088	709	367	342	51.8% Pwer 48.2% Hwyllo
Cyfanswm 19	1088	719	328	391	45.6% Pwer 54.4% Hwyllo
Cyfanswm 20	1088	570	276	294	48.4% Pwer 51.6% Hwyllo
Cyfanswm 21	1088	746	371	375	49.7% Pwer 50.3% Hwyllo

CYMHARIAETH O YSTADEGAU CYCHOD YM MHOB HARBWR 2021

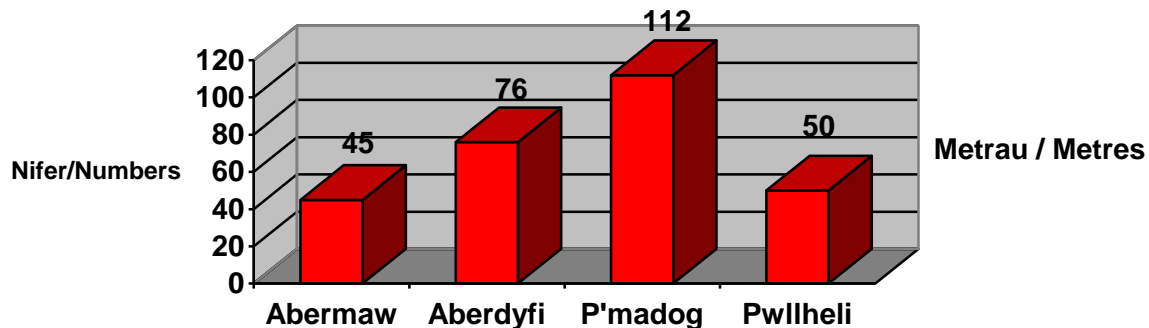
COMPARISON OF BOAT STATISTICS AT EACH HARBOUR 2021



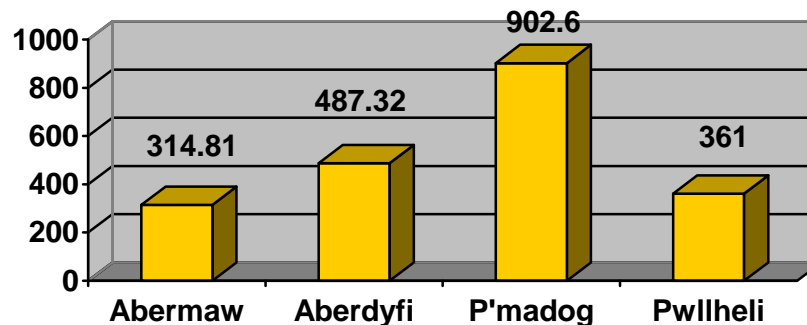
Harbwr Harbour	Nifer o Gychod Number of Boats	Cyfanswm Hydoedd Total Overall Length	Cyfartaledd Hyd Average Length	Cyfanswm Dyfnder Total Draught	Cyfartaledd Dyfnder Average Draught
Abermaw	45	314.81	7.00	42.36	0.94
Aberdyfi	76	487.32	6.41	48.82	0.64
Porthmadog	112	902.60	8.06	111.13	1.01
Pwllheli	50	361	7.2	42.0	0.84
Cyfansymiau holl harbrau Totals of all harbours	283	2065.73	28.67	244.31	3.43
Cyfartaleddau holl harbrau Averages of all harbours	70.75	516.43	7.17	61.08	0.86

Darlun o ystadegau cychod ym mhob harbwr. Analysis of boat statistics at each harbour.

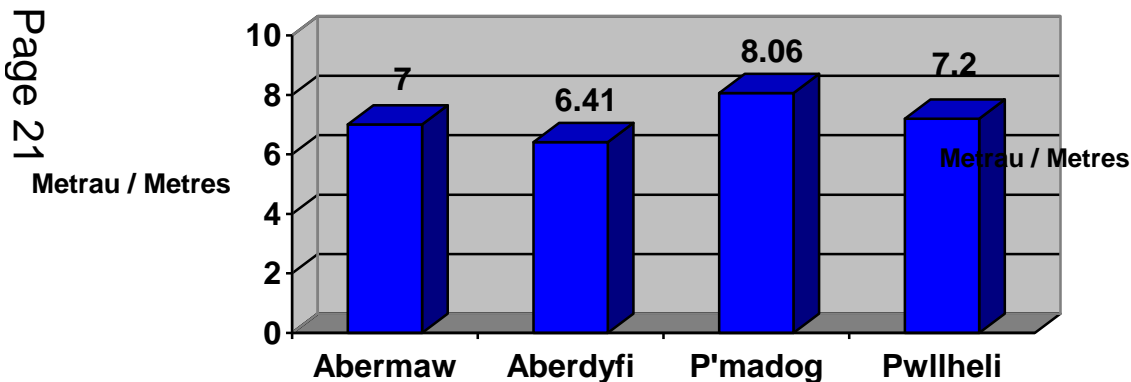
Nifer o Gychod / Number of Boats



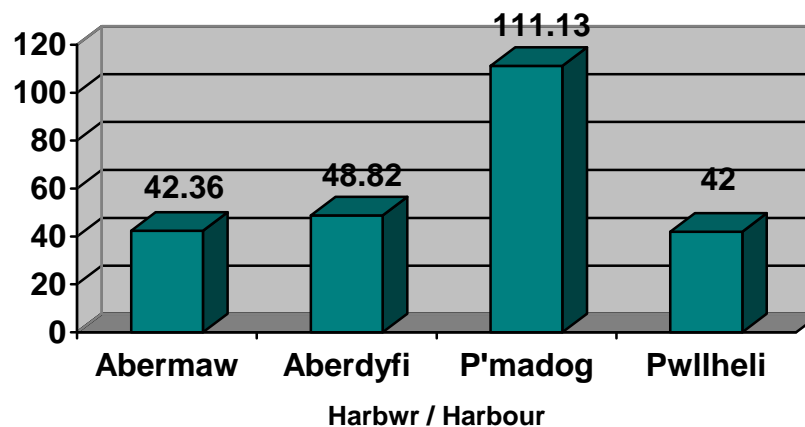
Cyfanswm Hyd / Total LOA



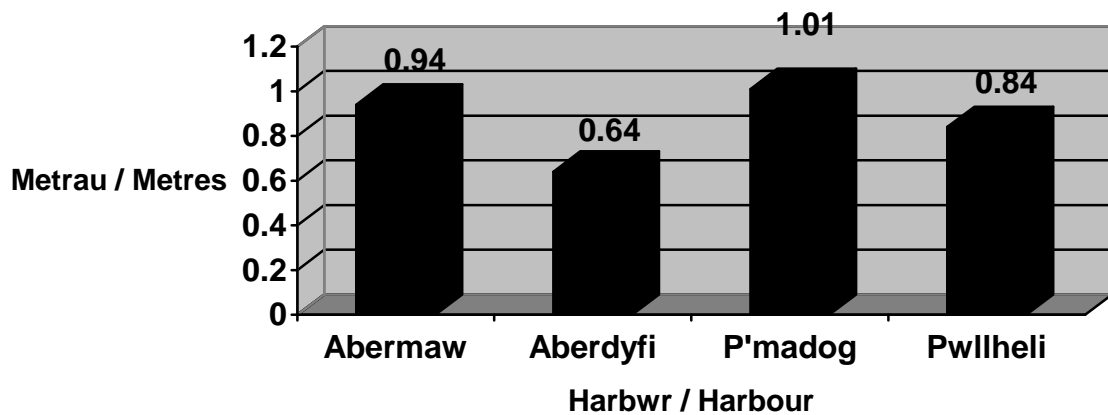
Harbwr / Harbour
Cyfartaledd Hyd / Average LOA



Harbwr / Harbour
Cyfanswm Dyfnder / Total Draught



Harbwr / Harbour
Cyfartaledd Dyfnder / Average Draught



HARBWR PORTHMADOG HARBOUR

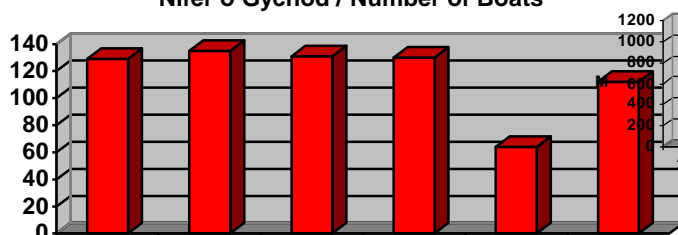
Cymhariaeth o Ystadegau Cychod

Comparison of Boat Statistics

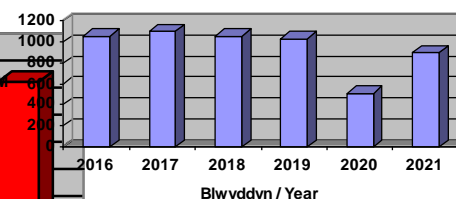
	2016	2017	2018	2019	2020	2021
Nifer o Gychod / Number of Boats	129	135	131	130	64	112
Cyfanswm Hydoedd / Total Overall Length	1055.12	1098.58	1055.13	1030.04	511.93	902.60
Cyfartaledd Hyd / Average Length	8.18	8.14	8.05	7.92	8	8.06
Cyfanswm Dyfnder / Total Draught	127.50	133.18	131.01	128.80	63.59	111.13
Cyfartaledd Dyfnder / Average Draught	0.99	0.99	1.00	0.99	0.99	1.01

Nifer o Gychod / Number of Boats

Nifer / Numbers

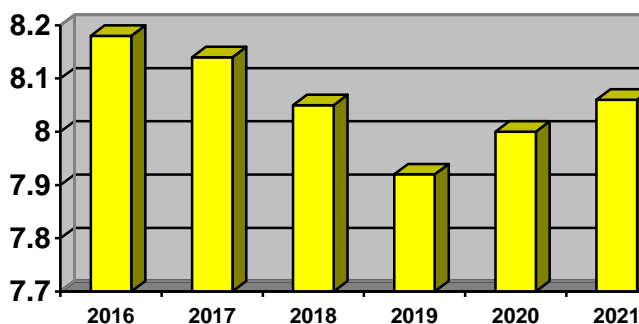


Cyfanswm Hydoedd / Total Length

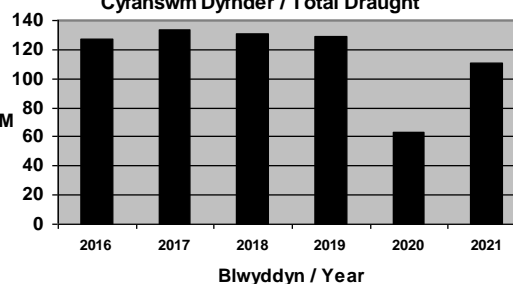


Cyfartaledd Hyd / Average Length

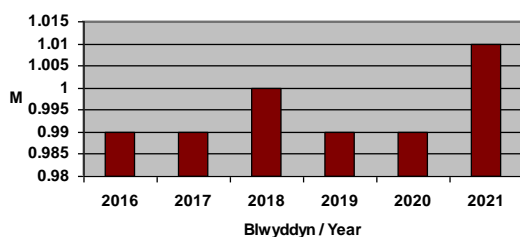
M



Cyfanswm Dyfnder / Total Draught



Cyfartaledd Dyfnder / Average Draught





Harbwr Porthmadog Harbour

Mae'r sianel yn newid ei chwrs yn rheolaidd, cyngorir bod morwyr yn cysylltu efo'r Harbwrfeistr ym Mhorthmadog am y wybodaeth ddiweddaraf

The channel changes its course on a regular basis, it's advised to contact the Harbourmaster at Porthmadog for the latest information.

01766 512927 / 07879 433 147, VHF 12/16

12/09/2021

Traeth y Graig Ddu
Black Rock Sands



FAIRWAY
LFLW 10s

1 QFLG

2 QFLR

4 FLR 2 5s

6 FLR 3 10s

Trwyn Harlech Point

9 FLG 4 15s

Banc y Gogledd
North bank

10 FLR 2.5s

11 FLG5 20s

Cwt powdr
Powder house

Bae Samson

12 FLR 4s

15 FLG 2 5s

17 FLG 6s

Borth y Gest

Cei Balast

Cyngorir morwyr i beidio mordwyo dros y draethell oni bai fod o fewn 2 awr pob ochor i'r pen llanw, cychod gyda draft fwy na 1.5 i fod fewn 1.5 awr bob ochor i'r pen llanw.

The channel should not be used at any time other than 2hrs either side of high water, vessels with a draft greater than 1.5m should only use the channel 1.5 hrs either side of high water

Rhybydd / Caution

**Nid yw gael ei ddefnyddio ar gyfer mordwyo
Not to be used for navigation**