



Complete Agenda

Democratic Service
Swyddfa'r Cyngor
CAERNARFON
Gwynedd
LL55 1SH

Meeting

PORTHMADOG HARBOUR CONSULTATIVE COMMITTEE

Date and Time

5.30 pm, WEDNESDAY, 10TH MARCH, 2021

Location

Virtual Meeting - Zoom

Contact Point

Eirian Roberts

01286 679018

eirianroberts3@gwynedd.llyw.cymru

(DISTRIBUTED 02/03/21)

MEMBERSHIP:

Gwynedd Council:

E. Selwyn Griffiths
Alwyn Gruffydd
Nia Wyn Jeffreys

Local Member
Local Member
Local Member

Co-Opted Members:

Councillor Llywelyn Rhys
To be confirmed
David Eastwood
Dr John Jones-Morris
Ian Roberts
Robert Owen
Will Walker-Jones

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

Observers:

Gareth Thomas
David Williams
Councillor 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. CHAIR

To elect a Chair for 2020/21.

2. VICE-CHAIR

To elect a Vice-chair for 2020/21.

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 previous meeting of this committee, held on 11th March, 2020, be signed as a true record.

7. UPDATE ON HARBOUR MANAGEMENT MATTERS

8 - 18

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 5th October, 2021, subject to confirmation by the Full Council.

PORTHMADOG HARBOUR CONSULTATIVE COMMITTEE 11/03/20

PRESENT: Councillor Alwyn Gruffydd (Gwynedd Council) (Chair)
Councillor Nia Jeffreys (Gwynedd Council) (Vice-chair)

Councillor Selwyn Griffiths (Gwynedd Council), Councillor Llywelyn Rhys (Porthmadog Town Council Representative), David Eastwood (Harbour Interests Representative), Dr John Jones-Morris (Leisure Interests Representative), Robert Owen (Commercial Interests Representative) and Will Walker Jones (Cricieth RNLI Representative)

OBSERVER: Councillor Gareth Thomas (Cabinet Member – Economic Development, Gwynedd Council).

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

The Chair referred to the recent death of Brian Rees Jones, who had been prominent in establishing Madoc Yacht Club and played a lead role in securing the purchase of the harbour by the former Dwyfor District Council. It was agreed to send a letter expressing the members' sympathies to his family in their bereavement.

1. APOLOGIES

No apologies for absence were received.

2. DECLARATION OF PERSONAL INTEREST

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

3. URGENT ITEMS

No urgent items were received.

3. MINUTES

The Chair signed the minutes of the previous meeting of this committee held on 9 October 2019 as a true record, subject to correcting the references to '*Porthmadog Sailing Club*' in the English version to read '*Madoc Yacht Club*'.

4. UPDATE ON HARBOUR MANAGEMENT MATTERS

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

- The Senior Harbour Officer's report, updating the committee on Harbour matters for the period from October 2019 to March 2020.
- The Harbourmaster's report, summarising the navigational and operational matters that had arisen between October 2019 and March 2020, including maintenance matters.

The following were distributed:-

- Details of the fees and charges for Porthmadog Harbour for the period April 2020 to April 2021, and the powerboat and personal watercraft launch fees for the same period.
- Trinity House's letter, dated 10 October 2019, following its annual inspection of navigational aids in the Harbour and the channel between 14 and 16 October 2019. The Maritime and Country Parks Manager noted that the majority of work that had required attention had now been completed, but he asked members to inform them if they noticed that buoys had moved from their correct location.

The Maritime and Country Parks Officer referred to the recent inclement weather, and noted that it had been extremely unusual to experience so many storms in such a short period. Fortunately, the direction of the wind had been favourable this time, and no damage had been caused to the harbour, with the exception of some lifted blocks, and some moved buoys. The service's staff had been on call, ensuring that everything was in order, and they were thanked for going the extra mile.

A question was asked about how concerned the service had been during the recent storms. In response, the Maritime and Country Parks Officer noted that the strongest winds coinciding with a high tide had been worrying, but the situation would have been far worse if the wind direction had been less favourable for Porthmadog. It was confirmed that the committee could do nothing specific about the situation, apart from informing the officers if they had any concerns, and it was emphasised that these extreme weather events highlighted the fact that everybody had a duty to protect the environment.

The Maritime and Country Parks Officer further reported:-

- That he had held a discussion with Cricieth Town Council about its request for the Council to consider alternative methods of managing power boats following an incident. The Town Council's frustration was understandable, but the Town Council also acknowledged that the Council's powers were extremely limited. It was promised that the service would strengthen its supervision, and try to improve the navigation aids in the bay. It was also accepted that businesses depended upon the boats, and the officer was grateful of the opportunity to discuss the matter with the Town Council.
- No harbour safety matters had been reported by members during the last six months. Members were informed that they could request a copy of the code, and were asked to contact him if they had any matters to raise.
- The budget summary highlighted the impact of the decrease in demand (bringing boats into the harbour / mooring boats) on the income. Of this year's target income of £73,000, only £60,000 had been received to date, and there was little potential to generate further income over the next month. This meant having to find savings of £13,000 to meet the deficit. In order to prevent having to make cuts to factors that affected harbour safety, it was intended to review the whole harbours budget to see whether there were any aspects that were over-performing, or any areas with underspends. It was anticipated that there would be an overspend of approximately £10,000 by the end of the year, compared with the target of £13,000. It would be preferable to reduce the figure to £0, so that the service was self-sufficient. It was also noted that opportunities would be extended to the yachting sector, with others invited to run projects in the harbours.

In response to a question, the Maritime and Country Parks Manager explained that although efforts had been made in the past to support events in the Harbour, such as the Food Festival, commercial event organisers had been warned that the Council would charge a fee this year due to the costs involved with clearing the site etc. Members agreed

that it would be appropriate not to charge fees or to offer reduced fees initially, but the events should be responsible for their costs once they had become established.

A question was asked about whether there was a need to plan ahead for the reduction in the use of sailing yachts and an increase in the use of power boats? In response, the Maritime and Country Parks Service officer noted that this was a national trend. People who sailed tended to be older, and it was difficult to attract the younger generation as there was currently more emphasis on adventure activities. However, the decrease had now stabilised, and there was no further land in Porthmadog for the other services. It was further explained that an increase in the power boat launch fees to £15 had been recommended for the next financial year, although the annual permit fee would not increase.

Reference was made to the National Grid's request to transport a major transformer through Porthmadog Harbour by ship, before transporting it by road to Trawsfynydd Power Station. The Maritime and Country Parks Service officer noted that he had recently held discussions with the National Grid and the Welsh Government Highways Department on alternative methods of bringing the transformer to the shore. Discussions had been held on using Morfa Bychan beach for this purpose. Topographic and hydrographic surveys had shown that a tide measuring a minimum of 4.5 metres would be required, and as the ship would be further out to sea than anticipated, more track would be needed to reach it. It was also noted that a marine licence from Natural Resources Wales would be required in order to install a track and dismantle it, and that it would only be in place for 24 - 48 hours. It appeared that the National Grid was warming to this idea, although it was not currently possible to confirm the exact arrangements. It was hoped that a decision would be reached the following week, and that work with the companies would then begin.

In response to an observation regarding the size of the lorry that would transport the transformer by road, the Maritime and Country Parks Officer explained that the road would need to be closed for a period of time, which would also involve the removal of any obstacles on the roadside. Also, the journey would have to take place during daylight in order to ensure that the workers had adequate visibility of their surroundings.

In response to a question about who was responsible for the cost of the work, the Maritime and Country Parks Service officer noted that he anticipated that the company would shoulder the cost, and that the cost would not fall to Gwynedd Council or the Yacht Club.

In response to a question about the timing of the work, the Maritime and Country Parks Service officer explained that it would take place around the end of April / beginning of May. He confirmed that he would discuss the requirements in relation to road closures etc., in Morfa Bychan, with the local member.

The importance of informing committee members once the date and arrangements for the work had been confirmed was emphasised, together with the need to fully engage with local residents, and to consider access requirements for the emergency services. The Maritime and Country Parks Officer confirmed that he would safeguard the interests of all parties, as local members and committee members.

It was noted that the Highways Department would need to warn people who parked on the side of roads to move their cars beforehand. He also noted that there was a need to consider the residents of east Porthmadog, as people would be affected by the road closure.

As the road closures etc., would happen during a busy period for the town, a question was asked about whether there was an opportunity for organisations within the town to submit bids for funding from the National Grid community benefits fund. It was suggested that a bid

could possibly be made via the Town Council. The Maritime and Country Parks Officer noted that he would raise this to see what was possible.

The Maritime and Country Parks Service officer noted that there had recently been a misconception in the press, and for clarity, he confirmed that the arrival of the transformer was not connected to any plans to establish a small nuclear station in Trawsfynydd.

The local member noted that he was pleased to see the additional safety signs at the approach to the beaches near Borth y Gest, despite some local opposition. The Maritime and Country Parks officer thanked the local member for his support with the signs and the sea wall. He also thanked the committee members for their support and willingness to collaborate.

RESOLVED to note and accept the report.

8. NEXT MEETING

It was noted that the next meeting would be held on 7 October 2020.

The meeting commenced at 5.30 pm and concluded at 6.35 pm

CHAIRMAN

Agenda Item 7

MEETING	Porthmadog Harbour Consultative Committee.
DATE	10th March 2021
TITLE	Update on Harbour Management Matters
AUTHOR	Senior Harbour 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 yearly period ending March 2021, in order to receive feedback from the members on safety matters and the operational matters of the Harbour. It is regrettable that the October 2020 meeting had to be postponed as a consequence of the Coronavirus epidemic.

2. Porthmadog Moorings and Boat Registration.

- 2.1 In 2020/21 figures for 'on moorings' in the Harbour were as follows:-
- 2.2 There has been 64 boats on annual moorings in 2020, compared to 130 in 2019. The figure has been greatly affected by the impact of the Coronavirus epidemic and the associated restrictions placed upon individuals by the Welsh Government. Many vessel owners decided not to utilise their vessel in 2020.
- 2.3 The effect of the Coronavirus epidemic has affected all of the harbours across Gwynedd. On the whole when comparing all Gwynedd Council Harbours, there has been a decrease in the number of customers over the past year.
- 2.4 There were 831 Power Boats registered in Gwynedd in 2020 compared to 894 in 2019. 16 Boats were registered at Porthmadog Harbour compared to 33 in 2019.
- 2.5 There were 843 Personal watercraft registered in Gwynedd in 2020 compared to 827 in 2019. This increase reflects the popularity and current trend of those individuals wishing to enjoy themselves on the water. It has also been indicated by local businesses that purchases have been made by individuals instead of travelling abroad for a holiday.
- 2.6 There were 41 Personal watercraft registered at Porthmadog harbour in 2020 compared to 55 the previous year.
- 2.7 Copies of all data relating to occupancy and registration is appended.

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. It is necessary for the Service 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, in order that it may be reviewed as relevant to the harbour activities, navigational aids, suitability of by-laws, safety matters and general day to day work at Porthmadog Harbour.

3.1.2 Following a thorough inspection of the Gwynedd Harbours Port Marine Safety Code and its associated safety management system by examiners from the Maritime and Coastguard agency last year, the Service intend to send a letter of compliance with the code to the Maritime and Coastguard Agency. This will be completed after an annual external audit of the safety management system has been undertaken.

4. Staffing Matters.

4.1 Harbour staff have continued to work from the harbour office throughout the Coronavirus pandemic to ensure the safety of the harbour. Adaptations have been made to the public counter area of the office and signage has been put in place around the harbour to assist in compliance with existing Welsh Government Coronavirus Regulations and to ensure staff remain safe in their working environment.

4.2 The full time assistant harbourmaster has continued to support the harbourmaster in his daily duties working from the harbour. The member of staff remains on a scheduled training programme under the guidance of the Harbourmaster and Senior Harbour Officer.

5. Financial Matters.

5.1 A brief summary of the harbour budget and current financial situation will be discussed at the meeting by the Principal Maritime Officer. The Coronavirus epidemic has had major impact on the income gained from the harbour. In accordance with the instructions of the Cabinet of Gwynedd Council, a reduction in the mooring fee required from mooring holders was applied for the 2020-2021 season.

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 vessels
- Maintenance of land and street furniture
- Tools and equipment including safety equipment

5.3 **Fees and Charges. 2021/22.** The Service currently awaits confirmation with regard to the draft fees and charges for Porthmadog Harbour together with the Powerboat and Personal Watercraft launching fees for 2021/22 season. It is anticipated that the harbour fees will rise by inflation at 2% whilst launching and registration fees will remain standstill.

6. **Harbourmasters Report.** The Harbourmaster at Porthmadog has provided a brief summary of the Navigational and Operational matters undertaken and encountered during the period October 2019 - March 2021 inclusive, including maintenance issues. A copy of his report is attached.

MEETING	Porthmadog Harbour Consultative Committee
DATE	10th March 2021
TITLE	Harbourmasters Report
AUTHOR	Porthmadog Harbourmaster

H 1 Navigational Issues

- 1.1 Vessel movements in the harbour and channel approaches during the winter period have been very limited exacerbated by the on-going Coronavirus pandemic. In general, winter weather and associated movements of the sandbanks in the course of the navigable channel have caused a number of buoys to become off station or out of position, requiring work to be conducted in the channel.
- 1.2 As was the case last year, following approval from Trinity House, the Porthmadog Fairway buoy is currently out of the water and undergoing refurbishment at Pwllheli harbour by the Harbourmaster. Once the refurbishment has been completed, the buoy will be returned to the water as soon as possible. The refurbishment includes a new riser chain and associated shackles at a cost of £1412.89 to the Service.
- 1.3 Each year Trinity House, the General Lighthouse Authority, conduct an independent audit of the physical presence and functionality of the aids to navigation recorded at Porthmadog Harbour. Additionally, every two years a further inspection is undertaken by Trinity House of the buoyage maintenance records and risk assessments associated with the safety of Navigation in the harbour. Both examinations were completed during the autumn of 2020.
- 1.4 There are currently three 'Local Notice to Mariners' in operation at Porthmadog Harbour.
- 1.4.1 Notice to Mariners number 9/20 – The No 14 buoy Port aid to navigation is currently not on station. Due to movements in the navigable channel where the buoy had been positioned, the need for the buoy has become obviated. Confirmation is to be sought from Trinity House to discontinue the presence of the buoy in the channel.
- 1.4.2 Notice to Mariners number 13/20 the Fairway buoy aid to navigation is not on station.
- 1.4.3 Notice to Mariners number 01/2021 the Starboard aid to navigation Buoy No 3 is not on station.
- 1.4.4 The Service advises that the navigable channel will continue to be surveyed and all relevant navigational marks will be on station and fully operational as soon as practically possible.
- 1.5 The service would like to remind Harbour users of the need to contact the Harbour office for the latest navigable information. It is advised that navigation within the

channel be limited to 1.5 hours either side of high water especially when navigating a vessel with a draft in excess of 1.5 metres.

H 2 Operational Issues

- 2.1 The Shipment of a large transformer for Trawsfynydd Power Station was successfully completed on the 16th September 2020, with the vessel 'Terra Marique' landing on the sands at Morfa Bychan to discharge the cargo. Staff have received positive feedback and appreciation for assisting from National Grid and the contractor Robert Wynn and Sons following extensive work and preparation conducted to complete the procedure.
- 2.2 In utilising the sands of Morfa Bychan to receive the shipment, no disruption was caused to the operation of Porthmadog harbour or to any vessel able to use the harbour facilities.
- 2.3 To a large extent in 2020 harbour operations were affected by the Coronavirus pandemic and the associated restrictions put in place by the Welsh Government. This resulted in a reduction in the number of vessels occupying moorings in the harbour and the number of vessels visiting the harbour from neighbouring harbours and elsewhere.
- 2.4 As previously reported, plans to undertake the removal of electrical pylons in the Dwyryd estuary remain in being as part of the Visual Impact Provision (VIP) Snowdonia project. It is expected that the work to remove the pylons and install underground cables will be on-going until 2026.

H 3 Maintenance

- 3.1 The Service have contacted a local mooring contractor to undertake underwater inspection of the harbour moorings. It is anticipated that the inspection will be undertaken shortly. Any work identified as a consequence of the inspection such as worn or damaged chain will then be carried out in preparation for the forthcoming season.
- 3.2 Harbour staff have been working on the refurbishment of a number of navigational marks throughout the winter period. These marks will be deployed as and when required.
- 3.3 The motor vessel 'Dwyfor' has been removed from the water at Pwllheli harbour for annual maintenance and a five yearly survey conducted by an approved Maritime and Coastguard Agency Surveyor. Upon return to Porthmadog harbour the vessel will then undergo testing on its lifting apparatus before return to operational duties in preparation for the forthcoming busy season.
- 3.4 Work is also currently on-going to maintain the Powercat patrol vessel including service of the engines undertaken by a local marine engineer.
- 3.5 The small tender vessel 'Porthmadog' utilised by harbour staff has undergone maintenance work including painting. It has now been returned to operational duties.
- 3.6 Around the harbour environment, work has continued to paint the harbour railings running along the quay wall by extending beyond the harbour slipway to a point near

the premises of the Madog yacht Club. The harbour slipway has also been cleared of soft mud at its extremity and power cleaned.

- 3.7 During the winter period, staff have maintained a number of benches and seating around the harbour environment with further work still to be completed. The service continues to receive requests for the placement of benches around the harbour with only limited space available.
- 3.8 During inclement weather, the harbourmaster has been able to undertake administration procedures including risk assessment processes of identified hazards around the harbour environment.

H 4 Other Matters

- 4.1 Borth-Y-Gest. The Service would like to remind harbour users of the need to have the metal gates at the top of the slipway in the closed position during the winter period to prevent unnecessary water ingress to the car park area. On a number of occasions staff have attended the location to find the gates open.
- 4.2 It remains the intention of the Service to tidy the grassed area where numerous vessels are currently stored some of which are no longer seaworthy. The Service remain mindful that such a measure will be unpopular with a number of residents

H5 Events

- 5.1 It is regrettable that a number of planned events which were due to be held at Porthmadog harbour during 2020 had to be cancelled due to the Coronavirus epidemic.
- 5.2 It is uncertain if proposed events will need to be cancelled again this year. In consequence the Service would like to remind members that it is essential to comply with the prevailing Coronavirus Regulations and advice produced by the Welsh Government and to liaise with the Harbour Authority at the earliest opportunity to gain permission to stage the event.

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>
2015	23 Aberdyfi 1 Tywyn	64 Abermaw a Caerddaniel	30	42 Total Boat Care 43 Hafan	157	76 Abersoch 1 Machroes 9 Morfa Nefyn 6 Nefyn 1 Aberdaron	243	696
2016	27 Aberdyfi 4 Tywyn	69 Abermaw	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 Abermaw	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 Abermaw	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 Abermaw	55	43 Total Boat Care 116 Hafan	184	137 Abersoch 5 Machroes 14 Morfa Nefyn 5 Nefyn 0 Aberdaron	153	827
2020	30 Aberdyfi	68 Abermaw	41	163 Hafan	178	236 Abersoch 23 Machroes 11 Nefyn	93	843

Uned Morwrol a Pharciau Gwledig / Maritime and Country Parks Unit
Cyfanswm wedi Cofrestru Cychod Pŵer - Total number of Powerboat Registrations

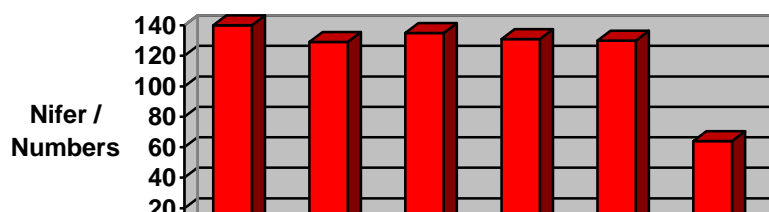
<i>Blwyddyn Year</i>	<i>Harbwr Aberdyfi Harbour</i>	<i>Harbwr Abermaw Harbour</i>	<i>Harbwr Porthmadog Harbour</i>	<i>Harbwr Pwllheli Harbour</i>	<i>Morfa Bychan</i>	<i>Traethau Gwynedd Beaches</i>	<i>Swyddfa Office</i>	<i>Cyfanswm Total</i>
2015	52 Aberdyfi 3 Tywyn	71 Abermaw a Caerddaniel	30	99 Total Boat Care 5 Harbwr 104 Hafan	14	92 Abersoch 4 Machroes 23 Morfa Nefyn 13 Nefyn 16 Trefor 12 Aberdaron	449	987
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	42 Abermaw	16	281 Hafan	24	180 Abersoch 29 Machroes 57 Nefyn	151	831

HARBWR PORTHMADOG HARBOUR

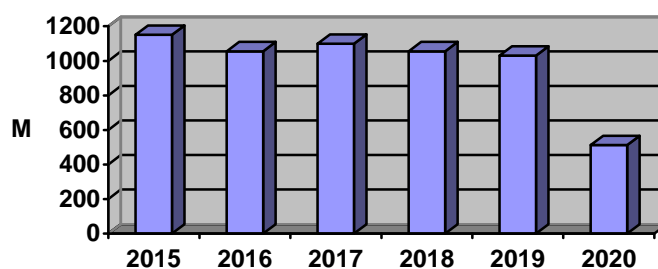
Cymhariaeth o Ystadegau Cychod Comparison of Boat Statistics

	2015	2016	2017	2018	2019	2020
Nifer o Gychod / Number of Boats	140	129	135	131	130	64
Cyfanswm Hydoedd / Total Overall Length	1150.60	1055.12	1098.58	1055.13	1030.04	511.93
Cyfartaledd Hyd / Average Length	8.22	8.18	8.14	8.05	7.92	8
Cyfanswm Dyfnder / Total Draught	137.69	127.50	133.18	131.01	128.80	63.59
Cyfartaledd Dyfnder / Average Draught	0.98	0.99	0.99	1.00	0.99	0.99

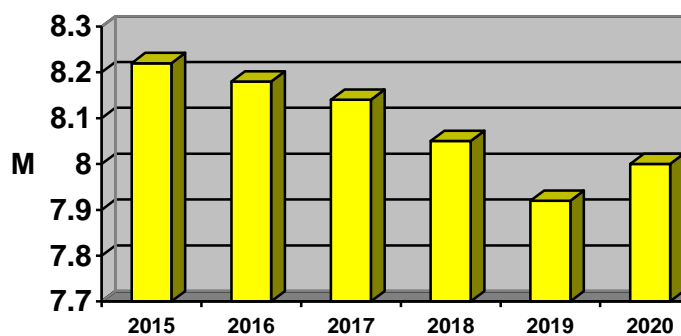
Nifer o Gychod / Number of Boats



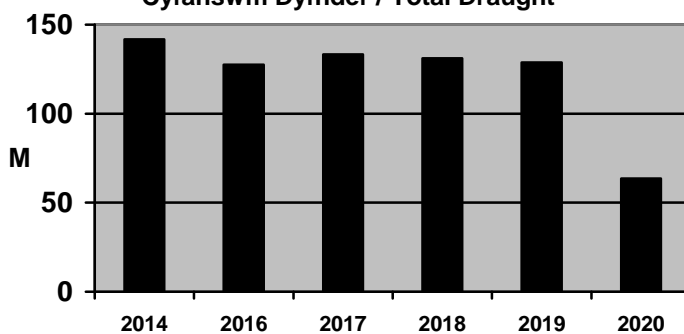
Cyfanswm Hydoedd / Total Length



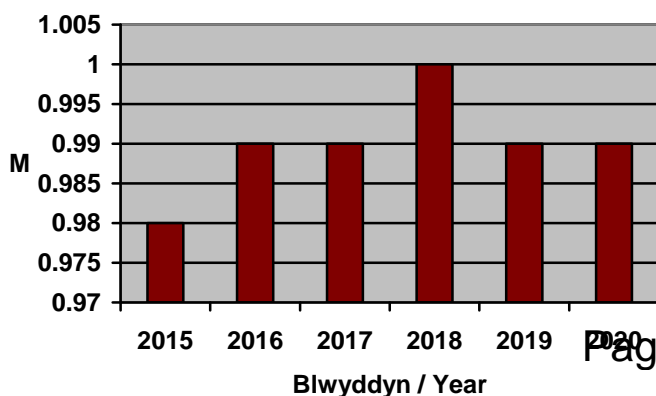
Cyfartaledd Hyd / Average Length



Blwyddyn / Year
Cyfanswm Dyfnder / Total Draught



Cyfartaledd Dyfnder / Average Draught



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 2015</i>	120	77 (64.2%)	35 (45.5%)	42 (54.5%)
<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>Abermaw 2015</i>	140	93 (66.4%)	63 (67.7%)	30 (32.3%)
<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>Porthmadog 2015</i>	238	140 (58.8%)	44 (31.4%)	96 (68.6%)
<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>Pwllheli 2015</i>	114	87 (76.3%)	57 (65.5%)	30 (34.5%)
<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			

<i>Hafan 2014</i>	409	293 (71.6%)	51 (17.4%)	242 (82.6%)
<i>Hafan 2015</i>	409	292 (71.4%)	56 (19.2%)	236 (80.8%)
<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			
<i>Dco Fictoria 2014</i>	100	100 (100.0%)	25 (25.0%)	75 (75.0%)
<i>Doc Fictoria 2015</i>	100	100 (100.0%)	21 (21.0%)	79 (79.0%)
<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			

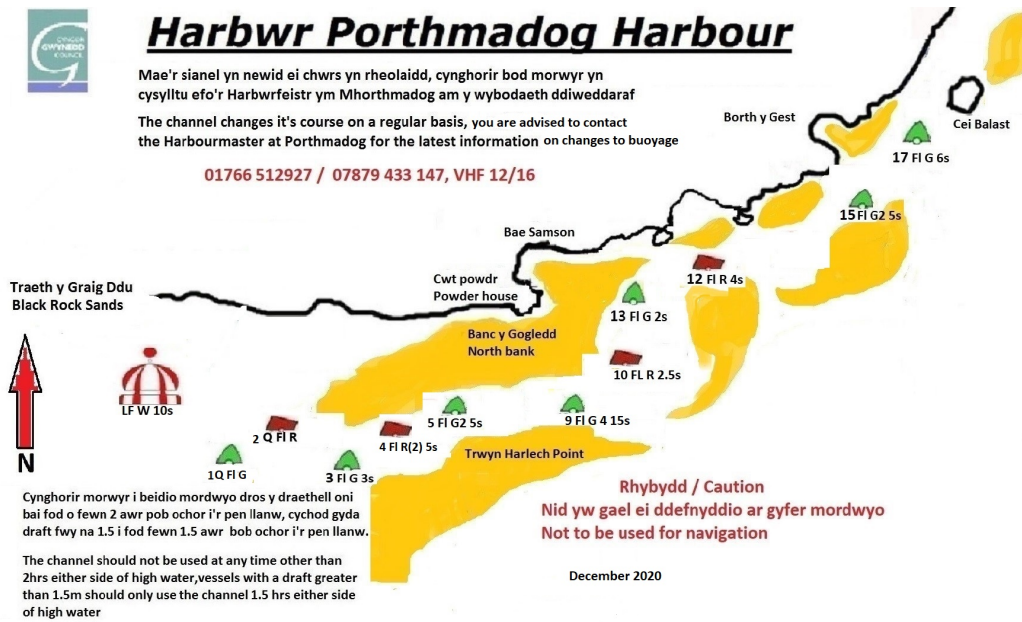


Harbwr Porthmadog Harbour

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, you are advised to contact the Harbourmaster at Porthmadog for the latest information on changes to buoyage

01766 512927 / 07879 433 147, VHF 12/16



Traeth y Graig Ddu
Black Rock Sands



LFW 10s

1Q Fl G

2 Q Fl R

3 Fl G 3s

4 Fl R(2) 5s

5 Fl G 2 5s

9 Fl G 4 15s

10 Fl R 2.5s

12 Fl R 4s

13 Fl G 2s

15 Fl G 2 5s

17 Fl G 6s

Rhybudd / Caution
Nid yw gael ei ddefnyddio ar gyfer mardwyo
Not to be used for navigation

December 2020

Cyngorir morwyr i beidio mardwyo dros y draethell oni bai fod o fewn 2 awr pob ochor i'r pen llanw, cychod gyda drafft 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