

MEETING	Pwllheli Harbour Consultative Committee
DATE	17 March 2020
TITLE	Dredging Update
AUTHOR	Maritime Officer

Update on the issues appertaining to Dredging work in Pwllheli Harbour

1. **Hydrographic Survey** – A detailed Hydrographic survey was undertaken in the harbour during the week commencing the 2nd March 2020. The survey was undertaken using two methods; Aerial Drone Survey and using a small survey vessel afloat. The two methods provided a detailed survey which will enable for the Council to determine the accretion level within the harbour area since the last survey was undertaken.

A printed copy of the Hydrographic Survey will be available for inspection at the Harbour Consultative Meeting and an electronic copy is available to all upon request. The data available on the hydrographic survey is in both Chart Datum and Ordnance Datum. The narrowing of the channel at the harbour entrance is noted.

2. **Crib Groyne** – work on the reconstruction of the Crib Groyne and the extension of the toe of the Crib Groyne is progressing well and the work is scheduled to be completed within the contract period. The cost of the work is in excess of £230K.

Storm Ceira, and to a lesser extend storm Dennis affected the foreshore at Marian y De and as a result, additional Rock Armour will be required for the seaward extent of the Crib Groyne. This additional requirement for rock armour is due to a drawdown in beach levels.

Initial estimates are that approximately 80 tonnes of additional rock will be required. These will be sourced from the Minffordd Quarry as per the current rock armour.

3. **Sand Stockpile** – on the 6th March 2020 work will have commenced on the removal of sand from the stockpile and the subsequent replenishment of Traeth Crugan. It is anticipated that this essential work will take approximately 5 to 6 weeks to complete. It is expected that all of the previously dredged, and stored material will to be transported directly to Traeth Crugan.

This work was funded by Wales Government as part of sea defence programme and the work will ensure that as well as strengthening the foreshore at Traeth Crugan the beach replenishment work will also ensure that there is additional capacity available for storage of dredged material on this site for the next few years unless other alternatives are agreed.

4. **Harbour Entrance** - work on dredging the harbour entrance is expected to be undertaken in April 2020 on the most appropriate tide. The Maritime Unit has explored the possibility of undertaking this work during the week commencing the 9th March 2020 but circumstances dictated otherwise and it was not possible to procure the work. We shall ensure that Members of the Committee are updated on programmed works as soon as a contract has been agreed.

It is noticed that recent storms did bring additional material into the harbour entrance and into the navigation channel.

5. **Maintenance Dredging** – Contract documents are being prepared in anticipation of undertaking maintenance dredging work in the Marina basin and the Approach Channel in the October to December 2020 period. The maritime Unit is undertaking work on the stilling lagoon at present to determine precise capacity. The dredging work at Pwllheli will hopefully be in conjunction with dredging contract at Doc Fictoria.
6. **Stilling Lagoon** – work is continuing to be undertaken on alternative methods of disposing of the silts from the Stilling Lagoon. The safety fencing has partly been replaced and it is anticipated that further work will be undertaken on the safety fence during 2020.