

FUGRO

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NOTICE OF MARINE OPERATIONS: UPDATE**South**

The continued deployment of the Minehead wave buoy is ongoing as part of the Regional Coastal Monitoring Wave Buoy Network. Licence position as below. We welcome feedback regarding its location.

Station	Latitude	Longitude
Minehead	51°13.6759'N	03°28.1475'W

Figures showing the Minehead wave buoy's location and associated mooring are given in Figures 1 and 2. Fugro kindly requests that all mariners:

- Give 200 m minimum clearance from the buoy to avoid tangling with the mooring components present near to the surface;
- Refrain from deploying any fishing gear in the vicinity of the buoy to reduce the danger of entanglement and equipment loss;
- Do not moor to any part of the deployed mooring or buoy.

The buoy is moored using a rotational, and therefore tidally influenced mooring design, with two 15 m rubber bungees close to the surface (Figure 2). Mariners are requested not to pass within 200 m of the buoy, to avoid the danger of vessel entanglement or mooring damage.

The wave buoy is 0.9 m in diameter and is painted yellow. The buoy has a yellow flashing LED light on top of a 2 m long HF aerial transmitter (flashing 5 times every 20 seconds). In addition, the buoy is equipped with radar reflectors. The words NO MOORING and Channel Coastal Observatory are displayed on the buoy.

Feedback

Fugro invite any feedback regarding the positioning of the wave buoy. If you have any questions or comments, please contact us:

By email: coastal.oceanography@fugro.com , or by phone: 02392 205 510

Please forward on to any relevant parties.

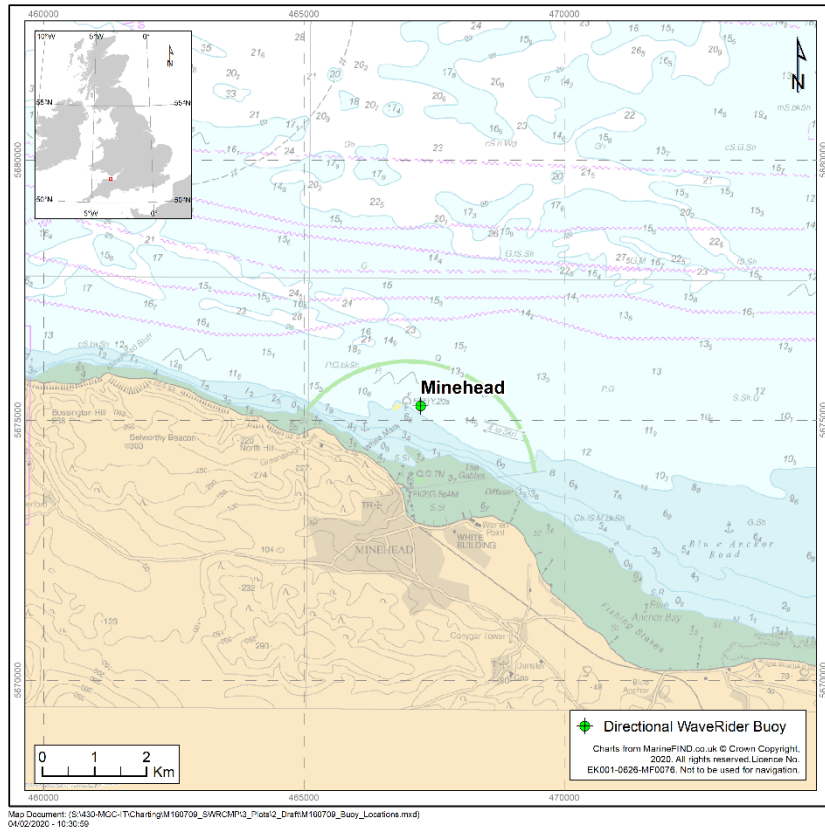


Figure 1: Minehead Wave Buoy Location

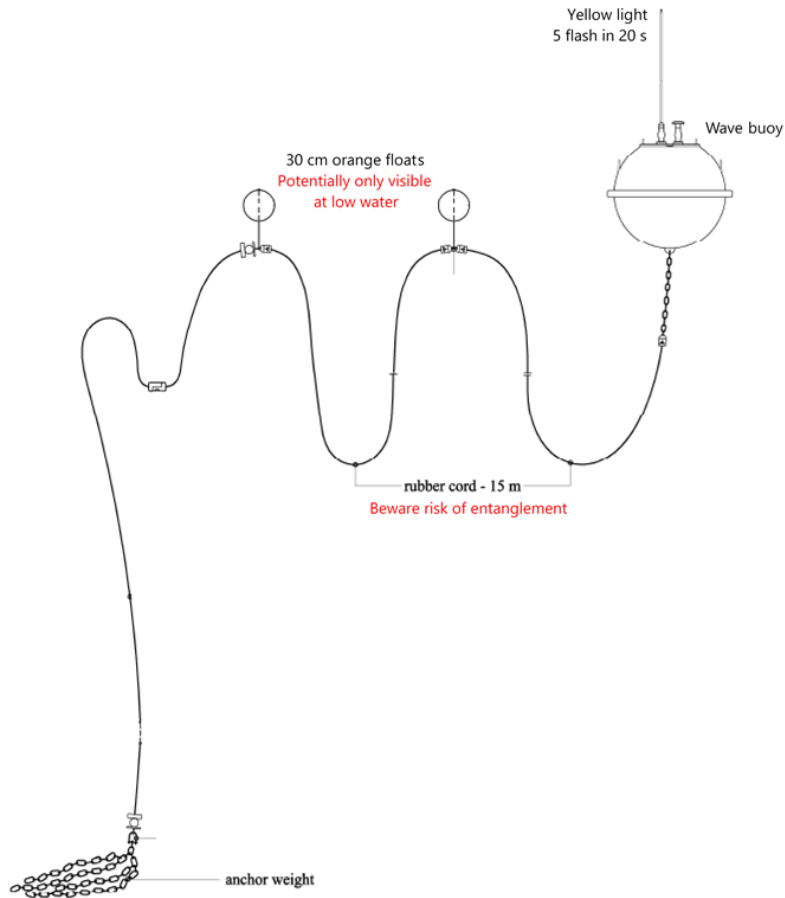


Figure 2: Mooring Design

Purpose

The National Network of Regional Coastal Monitoring Programmes disseminate data on coastal change and provide evidence to support flood and coastal risk management. The wave data benefits not only those professionals working on flood risk and coastal erosion but also wider coastal management, university and private research, visitors, fisheries, and many other marine users.

All of the data collected by the programme and any reports and analysis are freely available at: <https://www.coastalmonitoring.org/realtimedata/>.

An example plot of Minehead wave heights can be seen below.

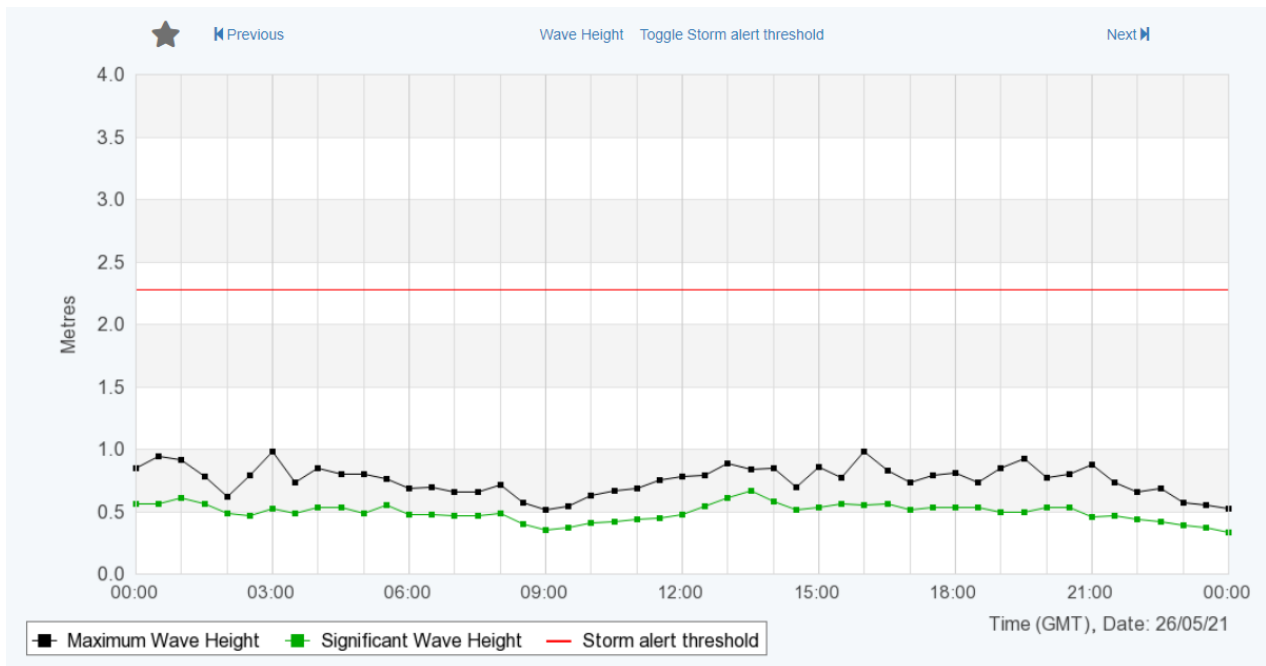


Figure 3: Minehead Wave Heights (Channel Coastal Observatory)

Further to this, the wave data are used to generate predictions for up to 5 days ahead. These are freely available on the Cefas website: <http://wavenet.cefas.co.uk/Map>

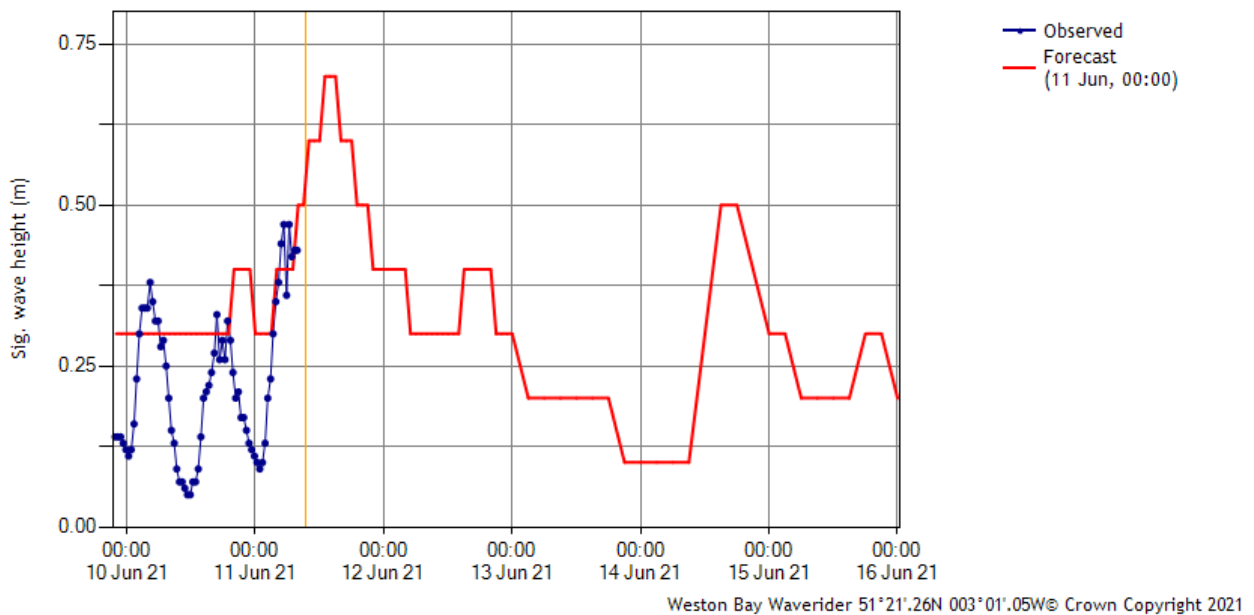


Figure 4: Example of CEFAS Wave Height Predictions from nearby Weston Bay wave buoy (CEFAS WaveNet)