



## CCO Report to Southern Coastal Group

October 2022

### 1. Hydrodynamic Network

**Wave Buoys:** All scheduled services are completed and all buoys are operational.

**Tide Gauges & Met stations:** All scheduled services are completed. The **Arun Platform** wind sensor was repaired. All tide gauges and met stations are operational.

### 2. Topographic Survey

Over the last three months, the baseline survey at Worbarrow and profile surveys at Yarmouth, Swanage, Hengistbury Head, Weymouth, Mudeford, Cowes and Bournemouth have been completed.

### 3. Bathymetry

Following delays in getting Zephyr – CCO's in house survey vessel certified, multibeam echosounder testing was carried out in the Lymington River in September. Once the test dataset has been checked MBES surveys are to begin in Christchurch Bay.

### 4. Aerial

2022 aerial capture is complete as shown in Figure 1.



Figure 1 Aerial photography capture as of 28<sup>th</sup> June 2022 in the Southeast Region.

### 5. Lidar

The polygon for the Winter 2022/23 capture has been finalised and capture will start in selected areas this month.

## 6. Assets

The scoping of available asset data from local authorities is complete.

A first iteration of the SQL backend of the asset register has been developed in-house. The BCP asset register has been ingested as a test. A report is being prepared and the database will be presented during the Southeast RCMP's Annual Partners Meeting.

## 7. Website

On the Realtime Data pages, the 'QC Data' tab from which time series data can be downloaded from the website has been replaced by the 'Download' tab. Underneath sit two or more tabs: 'QC Data' and 'Advanced'. The QC Data tab still allows users to download the quality-controlled data for each instrument at a site in the same way. However, we have added the table explaining the QC flags to the download page. The new 'Advanced' tab allows users to download an additional two dozen non-quality controlled parameters for the full time series at all wave buoy sites.

Accompanying the introduction of the advanced wave parameters, is the launch of the wave parameter handbook which attempts to explain each parameter we provide in a plain language and technical format.

The API has been expanded with the capability to request data from a single sensor and for a specific duration.

A 'remember layers' button was added to the top of the 'data layers' menu. This allows the user to select a number of layers that will be the new default when the web page is loaded.

The ability to save a previous search on the website has been added. The user can also set an alarm which will notify them each time a new piece of data is added to the user-defined (and saved) search area.

Recorded downloads during Q2 of 2022 were £4.1M per month. The number of hits on the website are settling between 10M and 12M per month.

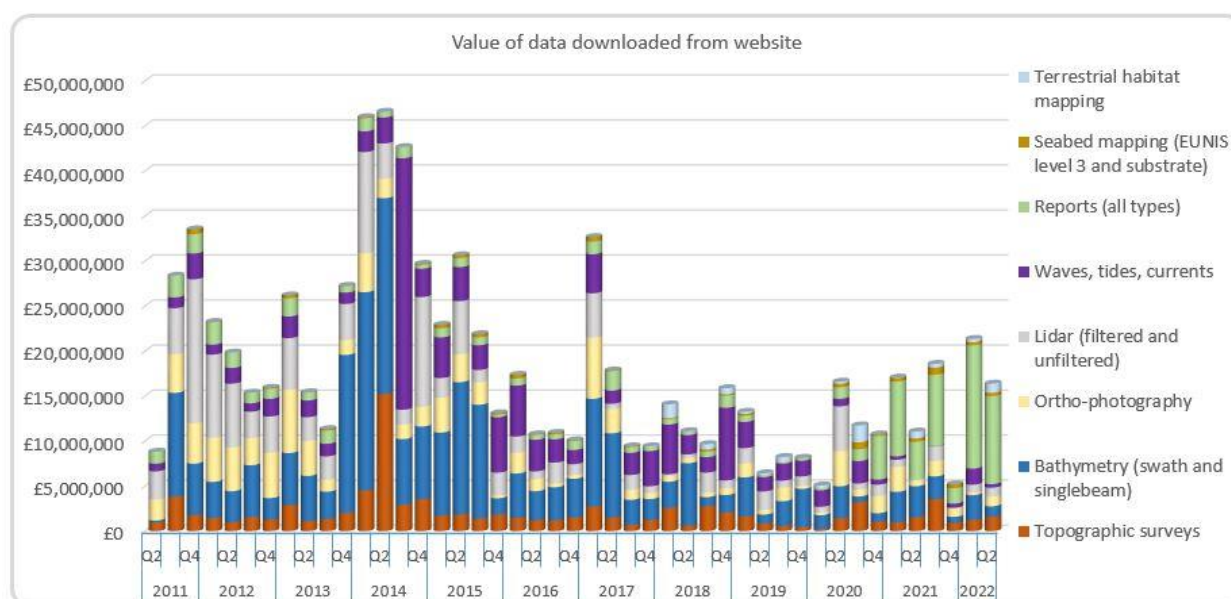


Figure 2 Data value of southeast regional data to end of Q2 2022

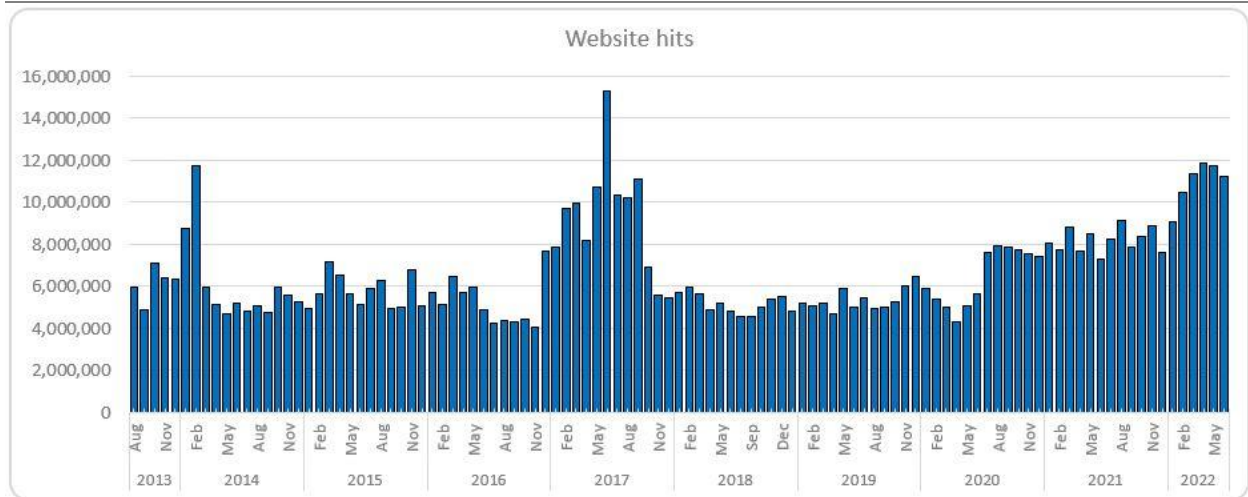


Figure 3 Number of hits on CCO website

## 8. General

The programme has recruited Daniel Hendy to replace Ben Davis as a Coastal Process Scientist.