



CCO Report to Southern Coastal Group

June 2021

1. Hydrodynamic Network

Wave Buoys: All buoys in the SCG region are in position and functioning correctly. In the wider SERCMP area, **Rye Wave Buoy** was deployed on 26th February using Iridium satellite communications, a shore station will be installed shortly to allow HF communications. **Pevensey Bay Buoy** was suffering a GPS timing issue and was swapped on the 28th April 2021.

Tide Gauges & Met Stations: **Swanage Pier** is now back online, thanks to a 4G enabled PC. **Deal Pier** has been removed, as the data cable has been damaged and needs to be re-laid. This opportunity is being taken to refurbish the instrument.

2. Topographic Survey

All spring surveys have been completed. Sandown spring baseline was changed to a profile survey with the baseline to follow in the autumn due to Covid-19 and accommodation restrictions. The profile survey can be done in one day, whereas the baseline requires a 5 day stay on the island.

The Ventnor cliff monitoring survey missed last year has also been completed. A post storm survey was completed at Milford in early May, though the storm at the end of May didn't warrant another survey as beach levels remained stable.

Rockley and Hamworthy baseline surveys are planned for July.

3. Bathymetry

Single beam bathy survey at Hayling (east and west tidal deltas) was completed in March. The data has been processed and is soon to be uploaded to the website. Trials with a Norbit MBES system are underway in the Western Solent area.

4. Aerial

All 2019 and 2020 data is now online for the south east region. Aerial photography will next be flown in 2022.

5. Lidar

The 2019/20 QC is now completed and we are awaiting final deliverables for upload to the website. Data for 2020/21 now being delivered. Some polygons suffered from quality issues due to Saharan dust and will need to be re-flown in the 2021/22 survey window.

6. Website

Recorded downloads during Q1 of 2021 were high (£4.7M per month), influenced by increases in report downloads associated with changes to access mechanisms (Figure 1). Note that numbers in the last update included bots that have now been removed from counts. Number of hits per month remains steady

(Figure 2). A number of improvements have been made to the website, including re-branding to better represent the national remit of the data, and improvements to the realtime data pages.

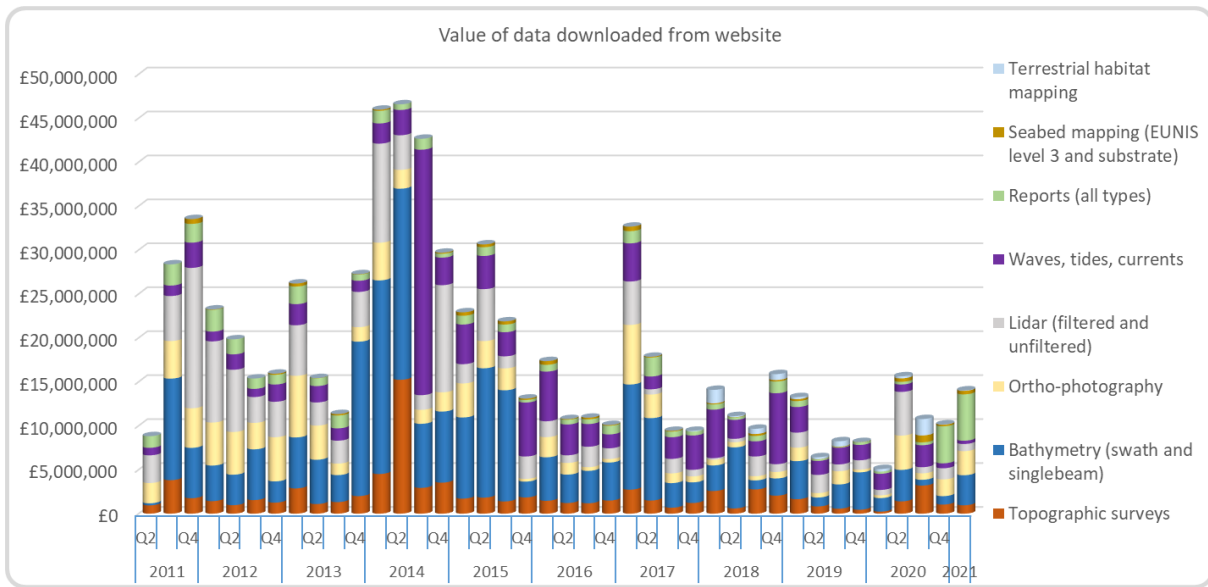


Figure 1 Data value of southeast regional data to end of Q4 2020

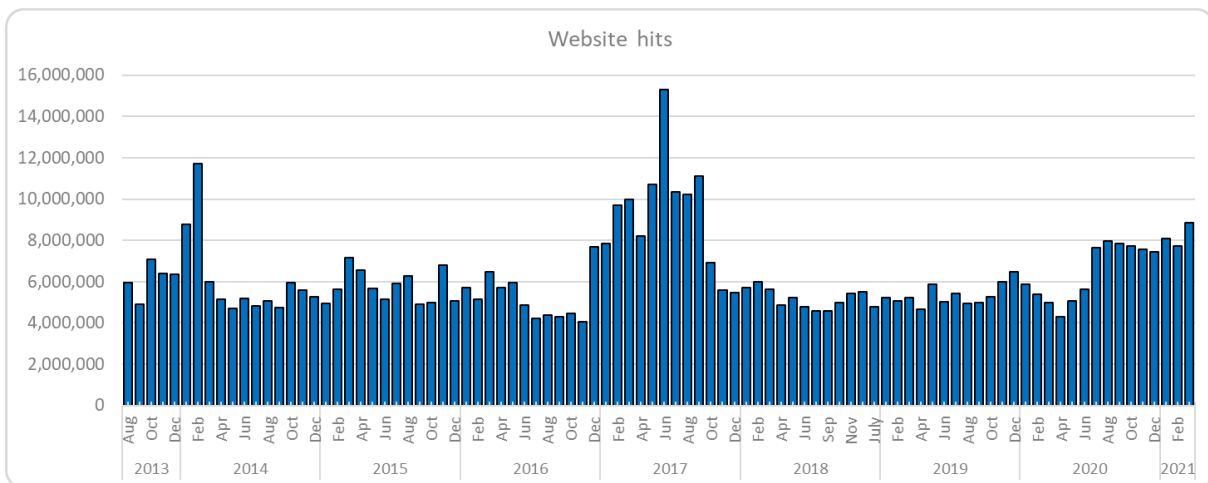


Figure 2 Number of hits on CCO website