



Fig 1. Time series of Seaham Beach waste terrace profiles from 2010 up to Nov 2023 [6]. Changes following Storm Babet (2022-2023), include significant loss of the protective sand gravel banks (0-4m elevation; 140-170m) previously present in front of the waste terrace, and significant total retreat of the waste front (at 4-6m) from ~135 to ~130m. The previous erosion due of Storm Arwen (26-27 Nov 2021) and the 2021-22 winter season are also visible between 2021 and 2022.