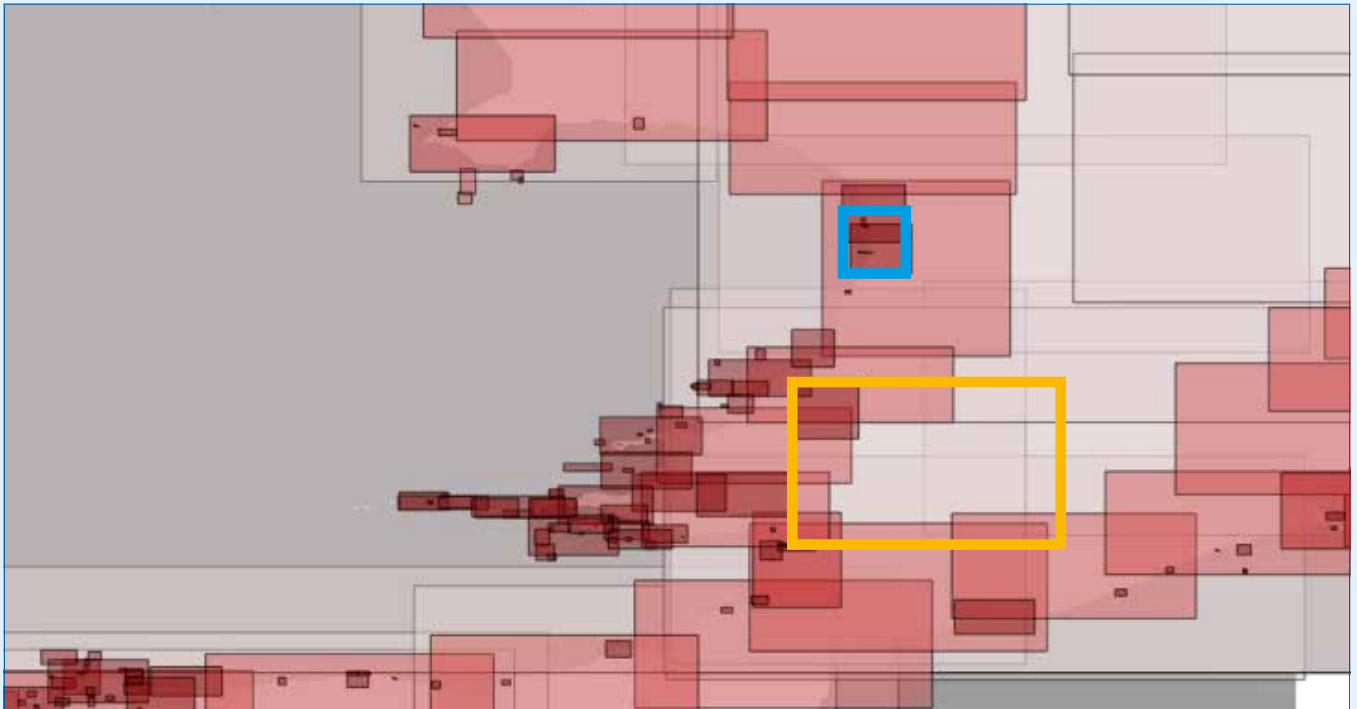


Understanding why data of different scales appear within a single zoom level of a WMTS

Unlike land data, which is usually nicely tiled, marine data is created to cover a particular area of interest for navigation e.g. the approaches to a harbour or an area of ocean. In areas which are not navigationally significant there may be little data available. This means that sometimes you might find both larger scale chart data and smaller scale chart data in the same view in a WMTS.

Take the image below as an example: it shows the coverages of Raster Charts at various scales – the darker the colour the larger the scale. This demonstrates how, at a particular zoom level, there may be various scales of data visible. At [OceanWise](#), we group WMTS charts based on scale so that the most appropriate data is shown at a particular zoom level. If a user is zoomed in to a harbour area (large scale – blue square) it would show the large-scale charts available. If the user is working further offshore (orange rectangle) and zooms to a mid-scale the view may show charts of varying scales.

RASTER CHARTS AT VARIOUS SCALES



— Large scale — Various scales