

Fig. A3 Calculation the volume of terrain above the lowest elevation of an area unit $\left(V_{u}\right)$ and its largest vertically projected area $\left(S_{v}\right)$ utilizing 3-dimentional box counting. $d$ is the edge length of the side of the area unit; $V_{u}$ represents the cumulative volumes of the constituent cubes; and $S_{v}$ indicates the total area of the shaded regions. $P_{d}$ is calculated by the ratio of $V_{u}$ to the product of $S_{v}$ and $d$.

