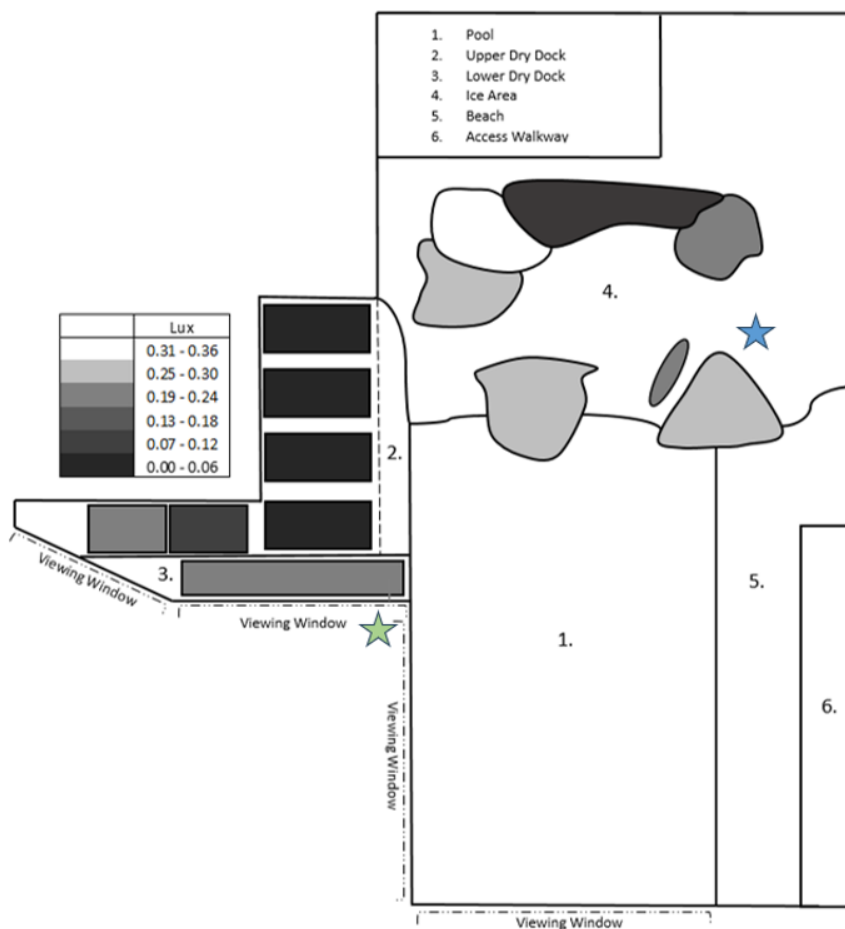


**Supplementary Table 1.** Details on enclosure environmental parameters at The Deep and the mean weights of the food items that make up the diet of the gentoo penguins.

Enclosure parameters	
Air temperature	11.3±4.1 °C
Water temperature	10.9±1.5 °C
Lighting	Artificial natural light cycle, set to latitude: 53.8° N
Mean food weights:	
Capelin <i>Mallotus villosus</i>	25.9±1.8 g
Sprat <i>Sprattus sprattus</i>	11.7±1.8 g
Herring <i>Clupea harengus</i>	96.1±14.3 g

**Supplementary Figure 1.** Floor plan of the penguin enclosure at The Deep showing the main areas and components (1–6) plus the location of the viewing windows. The 14 sites that were used when investigating site choice are shown by the shaded areas with the shading level corresponding to the light level (lux) within that site. The location of hand feeding is shown by a blue star, and the location that observations of penguins interactions with visitors were observed from is shown by a green star.