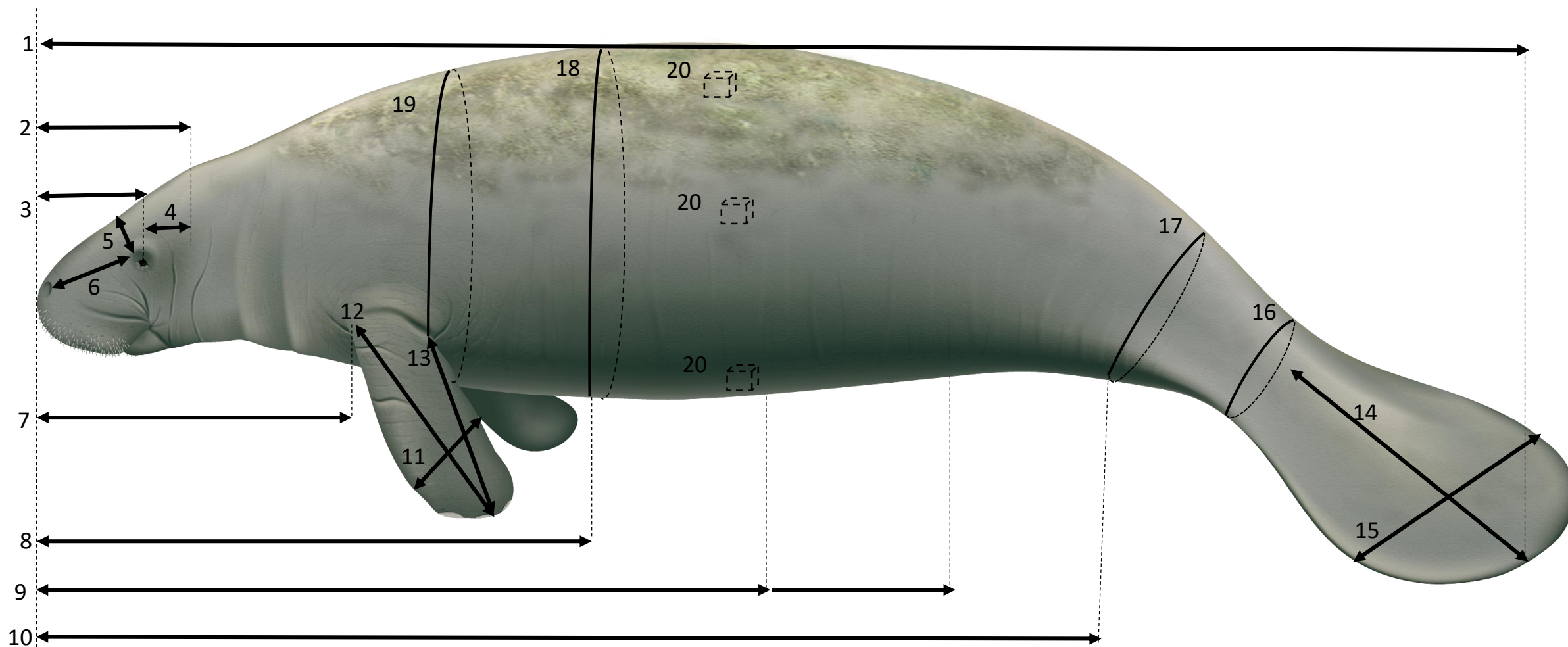


MEASURING STRANDED MANATEES



Basic measurements in stranded manatees. 1. Tip of snout to tip of fluke. 2. Tip of snout to external ear. 3. Tip of snout to center of the eye 4. Center of the eye to ear 5. Distance between centers of eyes 6. Center of eye to center of nostril (same side) 7. Tip of snout to the anterior insertion of flipper. 8. Tip of snout to center of the umbilicus 9. Tip of snout to center of genital aperture 10. Tip of snout to the center of the anus 11. Maximum width of flipper 12. Flipper length, anterior insertion to tip width 13. Flipper length, axilla to tip 14. Fluke width 15. Dorsal fin height 16. Base of fluke to posterior tip 17. Maximum width of fluke. 18. Girth at fluke base 19. Girth at anus. 20. Girth at umbilicus 21. Girth at axilla 22. Thickness of skin: dorsal (anterior, lateral, ventral). (Adapted from Geraci & Lounsbury, 2005⁴).