

What the skull and scapular morphology of the dugong (*Dugong dugon*) can tell us: sex, habitat and body length?

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Supplement 1 Samples information

| | Sample ID (DUxxx) | Sex | | Body length (meter) | Habitat | |
|----|----------------------|---------|--------|------------------------|----------------|---------------------|
| | | Male | Female | | Andaman Sea | Gulf of Thailand |
| 1 | 014 | 1 | | 1.70 | 1 | |
| 2 | 016 | 1 | | 2.54 | 1 | |
| 3 | 036 | | 1 | 2.73 | 1 | |
| 4 | 037 | | 1 | 1.70 | 1 | |
| 5 | 038 | 1 | | 2.57 | 1 | |
| 6 | 040 | 1 | | 2.94 | 1 | |
| 7 | 043 | | 1 | 2.14 | | 1 |
| 8 | 047 | 1 | | 2.21 | 1 | |
| 9 | 048 | | 1 | 2.71 | | 1 |
| 10 | 049 | unknown | | 2.26 | 1 | |
| 11 | 050 | unknown | | unknown | 1 | |
| 12 | 057 | | 1 | 2.56 | 1 | |
| 13 | 058 | 1 | | 2.50 | 1 | |
| 14 | 059 | 1 | | 2.45 | 1 | |
| 15 | 060 | 1 | | 1.92 | 1 | |
| 16 | 070 | 1 | | 2.00 | 1 | |
| 17 | 074 | 1 | | 2.06 | 1 | |
| 18 | 075 | 1 | | 2.40 | 1 | |
| 19 | 078 | | 1 | 2.31 | | 1 |
| 20 | 088 | 1 | | 2.14 | | 1 |
| 21 | 098 | 1 | | 2.14 | | 1 |
| 22 | 103 | 1 | | 1.67 | 1 | |
| 23 | 119 | 1 | | 1.53 | 1 | |
| 24 | 126 | | 1 | 2.00 | 1 | |
| 25 | 129 | | 1 | 2.25 | 1 | |
| 26 | 130 | 1 | | 2.09 | | 1 |
| 27 | 143 | | 1 | 2.00 | 1 | |
| 28 | 144 | 1 | | 2.64 | 1 | |
| 29 | 145 | 1 | | 1.56 | 1 | |
| 30 | 146 | 1 | | 2.14 | 1 | |
| 31 | 209 | unknown | | 1.60 | | 1 |
| 32 | 227 | 1 | | 2.47 | 1 | |

| | | | | | | |
|----|-----|---------|---|------|---|---|
| 33 | 229 | unknown | | 1.80 | 1 | |
| 34 | 233 | | 1 | 2.64 | 1 | |
| 35 | 234 | | 1 | 2.57 | 1 | |
| 36 | 236 | | 1 | 2.54 | 1 | |
| 37 | 241 | | 1 | 2.29 | 1 | |
| 38 | 243 | | 1 | 2.57 | 1 | |
| 39 | 248 | | 1 | 1.91 | 1 | |
| 40 | 250 | | 1 | 2.38 | | 1 |
| 41 | 258 | | 1 | 2.31 | | 1 |
| 42 | 260 | | 1 | 1.74 | 1 | |
| 43 | 268 | 1 | | 1.92 | 1 | |
| 44 | 270 | 1 | | 1.60 | 1 | |
| 45 | 272 | 1 | | 2.45 | | 1 |
| 46 | 273 | unknown | | 1.80 | 1 | |
| 47 | 283 | | 1 | 3.00 | 1 | |
| 48 | 285 | | 1 | 2.00 | | 1 |
| 49 | 286 | 1 | | 1.61 | 1 | |
| 50 | 287 | | 1 | 1.91 | 1 | |
| 51 | 291 | | 1 | 2.63 | 1 | |
| 52 | 292 | | 1 | 2.82 | 1 | |
| 53 | 293 | 1 | | 1.90 | 1 | |
| 54 | 297 | | 1 | 1.66 | 1 | |
| 55 | 299 | | 1 | 2.81 | 1 | |
| 56 | 300 | | 1 | 2.24 | 1 | |
| 57 | 301 | 1 | | 2.44 | 1 | |
| 58 | 306 | 1 | | 2.02 | 1 | |
| 59 | 307 | | 1 | 2.78 | 1 | |
| 60 | 322 | 1 | | 2.42 | 1 | |
| 61 | 323 | 1 | | 1.92 | 1 | |
| 62 | 328 | | 1 | 2.59 | 1 | |
| 63 | 329 | | 1 | 1.63 | 1 | |
| 64 | 330 | | 1 | 2.56 | 1 | |
| 65 | 332 | 1 | | 1.94 | 1 | |
| 66 | 336 | 1 | | 2.00 | 1 | |
| 67 | 337 | 1 | | 2.81 | 1 | |
| 68 | 339 | 1 | | 1.16 | 1 | |
| 69 | 341 | | 1 | 2.67 | 1 | |
| 70 | 344 | | 1 | 1.60 | 1 | |
| 71 | 345 | 1 | | 2.52 | 1 | |
| 72 | 346 | 1 | | 2.14 | 1 | |
| 73 | 347 | | 1 | 2.58 | 1 | |
| 74 | 349 | | 1 | 2.35 | 1 | |
| 75 | 350 | | 1 | 1.38 | 1 | |
| 76 | 354 | | 1 | 2.04 | 1 | |

| | | | | | | |
|----|-----|---|---|------|---|--|
| 77 | 358 | | 1 | 1.97 | 1 | |
| 78 | 359 | 1 | | 2.11 | 1 | |
| 79 | 361 | | 1 | 0.88 | 1 | |
| 80 | 364 | 1 | | 3.64 | 1 | |
| 81 | 366 | | 1 | 2.55 | 1 | |