Indices

## Wrangle

## ELVERS elongation index

| **Characteristic** | **Anguilla bengalensis**, N = 2 | **Anguilla mossambica**, N = 8 | **p-value** |
| --- | --- | --- | --- |
| elongation\_index | 796 (603) | 312 (185) | 0.089 |
| TL (mm) | 74,000 (1,414) | 77,625 (22,884) | >0.9 |
| DF to AF (mm) | 131 (101) | 294 (126) | 0.2 |

## Glass eels elongation index

| **Characteristic** | **Anguilla bengalensis**, N = 50 | **Anguilla marmorata**, N = 2 | **Anguilla mossambica**, N = 14 | **p-value** |
| --- | --- | --- | --- | --- |
| elongation\_index | 485 (185) | 417 (50) | 470 (275) | 0.7 |
| TL (mm) | 53,480 (3,530) | 52,000 (2,828) | 54,500 (6,186) | 0.9 |
| DF to AF (mm) | 123 (41) | 125 (8) | 223 (343) | 0.6 |

## ELVERS Ocular index

| **Characteristic** | **Anguilla bengalensis**, N = 2 | **Anguilla mossambica**, N = 8 | **p-value** |
| --- | --- | --- | --- |
| OI | 4.82 (2.18) | 5.18 (2.51) | 0.9 |
| TL (mm) | 74,000 (1,414) | 77,625 (22,884) | >0.9 |
| DF to AF (mm) | 131 (101) | 294 (126) | 0.2 |

## Glass eels Ocular index

| **Characteristic** | **Anguilla bengalensis**, N = 50 | **Anguilla marmorata**, N = 2 | **Anguilla mossambica**, N = 14 | **p-value** |
| --- | --- | --- | --- | --- |
| OI | 5.43 (1.38) | 6.31 (2.06) | 23.50 (66.59) | 0.4 |
| TL (mm) | 53,480 (3,530) | 52,000 (2,828) | 54,500 (6,186) | 0.9 |
| DF to AF (mm) | 123 (41) | 125 (8) | 223 (343) | 0.6 |

## Glass eels Indices Combined

| **Characteristic** | **Anguilla bengalensis**, N = 50 | **Anguilla marmorata**, N = 2 | **Anguilla mossambica**, N = 14 | **p-value** |
| --- | --- | --- | --- | --- |
| OI | 5.43 (1.38) | 6.31 (2.06) | 23.50 (66.59) | 0.4 |
| elongation\_index | 485 (185) | 417 (50) | 470 (275) | 0.7 |
| TL (mm) | 53,480 (3,530) | 52,000 (2,828) | 54,500 (6,186) | 0.9 |
| DF to AF (mm) | 123 (41) | 125 (8) | 223 (343) | 0.6 |

## Elvers Indices Combined

| **Characteristic** | **Anguilla bengalensis**, N = 2 | **Anguilla mossambica**, N = 8 | **p-value** |
| --- | --- | --- | --- |
| OI | 4.82 (2.18) | 5.18 (2.51) | 0.9 |
| elongation\_index | 796 (603) | 312 (185) | 0.089 |
| TL (mm) | 74,000 (1,414) | 77,625 (22,884) | >0.9 |
| DF to AF (mm) | 131 (101) | 294 (126) | 0.2 |

## eels and indices combined

| **Characteristic** | **Anguilla bengalensis**, N = 52 | **Anguilla marmorata**, N = 2 | **Anguilla mossambica**, N = 22 | **p-value** |
| --- | --- | --- | --- | --- |
| OI | 5.41 (1.40) | 6.31 (2.06) | 16.84 (53.18) | 0.6 |
| elongation\_index | 497 (209) | 417 (50) | 412 (253) | 0.062 |
| TL (mm) | 54,269 (5,281) | 52,000 (2,828) | 62,909 (18,108) | 0.2 |
| DF to AF (mm) | 123 (42) | 125 (8) | 249 (282) | 0.013 |

## Catch per unit Effort for elvers

| site | Anguilla mossambica | Anguilla bengalensis |
| --- | --- | --- |
| SBE1-0.5KM | 0.08333333 | 0.00000000 |
| SBE2-1KM | 0.12500000 | 0.04166667 |
| SBE3-1.5KM | 0.00000000 | 0.04166667 |
| SBE4-2KM | 0.12500000 | 0.00000000 |

## Catch per unit Effort for glass eels

| site | Anguilla bengalensis | Anguilla marmorata | Anguilla mossambica |
| --- | --- | --- | --- |
| SBE1-0.5KM | 0.5416667 | 0.08333333 | 0.29166667 |
| SBE2-1KM | 0.1666667 | 0.00000000 | 0.12500000 |
| SBE3-1.5KM | 0.6250000 | 0.00000000 | 0.08333333 |
| SBE4-2KM | 0.7500000 | 0.00000000 | 0.08333333 |

Overall catch per unit effort

| site | Anguilla bengalensis | Anguilla marmorata | Anguilla mossambica |
| --- | --- | --- | --- |
| SBE1-0.5KM | 0.5416667 | 0.08333333 | 0.37500000 |
| SBE2-1KM | 0.2083333 | 0.00000000 | 0.25000000 |
| SBE3-1.5KM | 0.6666667 | 0.00000000 | 0.08333333 |
| SBE4-2KM | 0.7500000 | 0.00000000 | 0.20833333 |

## Species indices by site

| Species | index | SBE1 | SBE2 | SBE3 | SBE4 |
| --- | --- | --- | --- | --- | --- |
| Anguilla mossambica | elongation\_index | 379+234.09 | 558+322.39 | 347+73.85 | 323+222.23 |
| Anguilla mossambica | Ocular\_index | 34.16+82.76 | 5.42+1.65 | 4.74+1.36 | 4.19+1.65 |
| Anguilla mossambica | Total\_Length | 66444.44+22776.69 | 68833.33+18680.65 | 52500+2121.32 | 53600+1816.59 |
| Anguilla bengalensis | elongation\_index | 423+78.36 | 689+317.18 | 494+272.79 | 499+150.51 |
| Anguilla bengalensis | Ocular\_index | 5.61+1.35 | 5.04+1.53 | 5.54+1.44 | 5.24+1.44 |
| Anguilla bengalensis | Total\_Length | 54000+2041.24 | 57600+9071.93 | 55000+6324.56 | 52888.89+4496.91 |
| Anguilla marmorata | elongation\_index | 417+49.71 | NA | NA | NA |
| Anguilla marmorata | Ocular\_index | 6.31+2.06 | NA | NA | NA |
| Anguilla marmorata | Total\_Length | 52000+2828.43 | NA | NA | NA |