**Table 1**

Number of fish used in each section of this study: site characterization by biomarkers (B), gonadal development and female fecundity (G & F) and histological analysis (H). Fork length (FL, mean ± S.D) is shown for each sample

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | Total | FL (mm) | B | G & F | H |
| Upstream♀♀(n=27) | March | 5 | 143 ± 12.2 | 5 | 4 | 5 |
| April | 7 | 170.3 ± 20.9 | 0 | 4 | 5 |
| June | 9 | 205.9 ± 22.5 | 0 | 9 | 5 |
| July | 6 | 151.8 ± 11.2 | 6 | 4 | 5 |
| Downstream♀♀(n=36) | March | 9 | 178.3 ± 19.4 | 9 | 6 | 5 |
| April | 5 | 164.2 ± 19.5 | 0 | 5 | 5 |
| June | 7 | 154.7 ± 37.4 | 0 | 7 | 5 |
| July | 15 | 86.4 ± 30.5 | 15 | 4 | 3 |
| Upstream♂♂ (n=35) | March | 11 | 157.4 ± 18.1 | 11 | 5 | 5 |
| April | 5 | 156 ± 14.5 | 0 | 5 | 5 |
| June | 5 | 154.4 ± 19.2 | 0 | 5 | 5 |
| July | 14 | 145.6 ± 12.7 | 14 | 0 | 0 |
| Downstream♂♂ (n=22) | March | 11 | 152.7 ± 14.4 | 11 | 5 | 5 |
| April | 5 | 152 ± 9.8 | 0 | 5 | 5 |
| June | 5 | 116.6 ± 10.7 | 0 | 5 | 5 |
| July | 1 | - | 1 | 0 | 0 |