**Supplemental Files 2**

Number of individualand weight of *Corbicula fluminea* in winter among the different habitats and sampling sites at the Poyang Lake Basin.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Sampling sites | Number of individual | Weight (g) |
| YR | SW2 | 3 | 3.28 |
| SW3 | 1 | 0.35 |
| SW4 | 1 | 0.3 |
| CR | SW6 | 0 | 0 |
| SW7 | 0 | 0 |
| SW8 | 0 | 0 |
| PY | SW9 | 0 | 0 |
| SW10 | 2 | 1.4 |
| SW17 | 3 | 4.42 |
| SW11 | 1 | 0.14 |
| SW12 | 2 | 0.0139 |
| SW13 | 2 | 0.0148 |
| SW14 | 13 | 0.0254 |
| SW15 | 0 | 0 |
| SW16 | 0 | 0 |
| GJ | SW18 | 0 | 0 |
| SW19 | 0 | 0 |
| SW20 | 0 | 0 |
| SW21 | 0 | 0 |
| SW22 | 0 | 0 |
| XH | SW23 | 1 | 0.5 |
| SW24 | 0 | 0 |
| FH | SW25 | 0 | 0 |
| SW26 | 1 | 4.64 |
| XJ | SW27 | 0 | 0 |
| SW28 | 0 | 0 |
| RH | SW29 | 0 | 0 |
| SW30 | 0 | 0 |

Number of individualand weight of *Corbicula fluminea* in spring among the different habitats and sampling sites at the Poyang Lake Basin.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Sampling sites | Number of individual | Weight (g) |
| YR | SW2-1 | 0 |  |
| SW2-2 | 0 |  |
| SW2-3 | 0 |  |
| SW3-1 | 0 |  |
| SW3-2 | 0 |  |
| SW3-3 | 0 | 0 |
| SW4-1 | 2 | 1.9321 |
| SW4-2 | 2 | 1.4676 |
| SW4-3 | 0 | 0 |
| CR | SW6-1 | 0 |  |
| SW6-2 | 0 |  |
| SW6-3 | 0 |  |
| SW7-1 | 4 | 1.9401 |
| SW7-2 | 9 | 2.6142 |
| SW7-3 | 2 | 0.6427 |
| SW8-1 | 11 | 1.7662 |
| SW8-2 | 30 | 2.0328 |
| SW8-3 | 0 | 0 |
| PY | SW9-1 | 5 | 0.3023 |
| SW9-2 | 4 | 0.1583 |
| SW9-3 | 1 | 0.0391 |
| SW10-1 | 0 | 0 |
| SW10-2 | 0 | 0 |
| SW10-3 | 1 | 0.1368 |
| SW17-1 | 3 | 5.7197 |
| SW17-2 | 3 | 10.3824 |
| SW17-3 | 17 | 20.3921 |
| SW11-1 | 3 | 0.2999 |
| SW11-2 | 1 | 0.0673 |
| SW11-3 | 0 | 0 |
| SW12-1 | 0 | 0 |
| SW12-2 | 0 | 0 |
| SW12-3 | 0 | 0 |
| SW13-1 | 0 | 0 |
| SW13-2 | 0 |  |
| SW13-3 | 1 | 0.6536 |
| SW14-1 | 9 | 1.8552 |
| SW14-2 | 19 | 4.0941 |
| SW14-3 | 23 | 3.3242 |
| SW15-1 | 0 | 0 |
| SW15-2 | 0 | 0 |
| SW15-3 | 0 | 0 |
| SW16-1 | 2 | 0.6967 |
| SW16-2 | 0 | 0 |
| SW16-3 | 0 | 0 |
| GJ | SW18-1 | 0 | 0 |
| SW18-2 | 0 | 0 |
| SW18-3 | 0 | 0 |
| SW19-1 | 0 | 0 |
| SW19-2 | 0 | 0 |
| SW19-3 | 0 | 0 |
| SW20-1 | 0 | 0 |
| SW20-2 | 0 | 0 |
| SW21-1 | 0 | 0 |
| SW21-2 | 0 | 0 |
| SW22-1 | 0 | 0 |
| SW22-2 | 0 | 0 |
| XH | SW23-1 | 0 | 0 |
| SW23-2 | 0 | 0 |
| SW24-1 | 0 | 0 |
| SW24-2 | 0 | 0 |
| FH | SW25-1 | 0 | 0 |
| SW25-2 | 0 | 0 |
| SW26-1 | 0 | 0 |
| SW26-2 | 0 | 0 |
| XJ | SW27-1 | 0 | 0 |
| SW27-2 | 0 | 0 |
| SW28-1 | 0 | 0 |
| SW28-2 | 0 | 0 |
| RH | SW29-1 | 0 | 0 |
| SW29-2 | 0 | 0 |
| SW30-1 | 0 | 0 |
| SW30-2 | 0 | 0 |

Number of individualand weight of *Corbicula fluminea* in summer among the different habitats and sampling sites at the Poyang Lake Basin.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Sampling sites | Number of individual | Weight (g) |
| YR | SW2-1 | 0 | 0 |
| SW2-2 | 0 | 0 |
| SW2-3 | 0 | 0 |
| SW3-1 | 0 | 0 |
| SW3-2 | 0 | 0 |
| SW3-3 | 0 | 0 |
| SW4-1 | 0 | 0 |
| SW4-2 | 0 | 0 |
| SW4-3 | 0 | 0 |
| CR | SW6-1 | 0 | 0 |
| SW6-2 | 0 | 0 |
| SW6-3 | 0 | 0 |
| SW7-1 | 0 | 0 |
| SW7-2 | 0 | 0 |
| SW7-3 | 0 | 0 |
| SW8-1 | 0 | 0 |
| SW8-2 | 23 | 33.0226 |
| SW8-3 | 0 | 0 |
| PY | SW9-1 | 6 | 40.5687 |
| SW9-2 | 0 | 0 |
| SW9-3 | 2 | 11.7299 |
| SW10-1 | 0 | 0 |
| SW10-2 | 0 | 0 |
| SW10-3 | 0 | 0 |
| SW17-1 | 1 | 0.8624 |
| SW17-2 | 0 | 0 |
| SW17-3 | 0 | 0 |
| SW11-1 | 2 | 10.1362 |
| SW11-2 | 0 | 0 |
| SW11-3 | 0 | 0 |
| SW12-1 | 0 | 0 |
| SW12-2 | 0 | 0 |
| SW12-3 | 0 | 0 |
| SW13-1 | 0 | 0 |
| SW13-2 | 0 | 0 |
| SW13-3 | 1 | 0.7197 |
| SW14-1 | 0 | 0 |
| SW14-2 | 3 | 1.3763 |
| SW14-3 | 0 | 0 |
| SW15-1 | 0 | 0 |
| SW15-2 | 0 | 0 |
| SW15-3 | 0 | 0 |
| SW16-1 | 1 | 2.4613 |
| SW16-2 | 5 | 7.0795 |
| SW16-3 | 5 | 9.8436 |
| GJ | SW18-1 | 0 | 0 |
| SW18-2 | 0 | 0 |
| SW19-1 | 1 | 2.8446 |
| SW19-2 | 0 | 0 |
| SW20-1 | 0 | 0 |
| SW20-2 | 0 | 0 |
| SW21-1 | 0 | 0 |
| SW21-2 | 0 | 0 |
| SW22-1 | 0 | 0 |
| SW22-2 | 0 | 0 |
| XH | SW23-1 | 0 | 0 |
| SW23-2 | 0 | 0 |
| SW24-1 | 0 | 0 |
| SW24-2 | 0 | 0 |
| FH | SW25-1 | 0 | 0 |
| SW25-2 | 0 | 0 |
| SW26-1 | 0 | 0 |
| SW26-2 | 1 | 5.4397 |
| XJ | SW27-1 | 0 | 0 |
| SW27-2 | 0 | 0 |
| SW28-1 | 0 | 0 |
| SW28-2 | 0 | 0 |
| RH | SW29-1 | 0 | 0 |
| SW29-2 | 0 | 0 |
| SW30-1 | 0 | 0 |
| SW30-2 | 0 | 0 |
| SW30-3 | 0 | 0 |

Number of individualand weight of *Corbicula fluminea* in autumn among the different habitats and sampling sites at the Poyang Lake Basin.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Sampling sites | Number of individual | Weight (g) |
| YR | SW2-1 | 0 | 0 |
| SW2-2 | 0 | 0 |
| SW2-3 | 0 | 0 |
| SW3-1 | 0 | 0 |
| SW3-2 | 0 | 0 |
| SW3-3 | 0 | 0 |
| SW4-1 | 0 | 0 |
| SW4-2 | 0 | 0 |
| SW4-3 | 0 | 0 |
| CR | SW6-1 | 0 | 0 |
| SW6-2 | 0 | 0 |
| SW6-3 | 0 | 0 |
| SW7-1 | 4 | 3.1914 |
| SW7-2 | 1 | 0.0426 |
| SW7-3 | 0 | 0 |
| SW8-1 | 1 | 1.3016 |
| SW8-2 | 4 | 5.4146 |
| SW8-3 | 11 | 19.0907 |
| PY | SW9-1 | 0 | 0 |
| SW9-2 | 0 | 0 |
| SW9-3 | 0 | 0 |
| SW10-1 | 0 | 0 |
| SW10-2 | 0 | 0 |
| SW10-3 | 0 | 0 |
| SW17-1 | 0 | 0 |
| SW17-2 | 0 | 0 |
| SW17-3 | 0 | 0 |
| SW11-1 | 0 | 0 |
| SW11-2 | 2 | 1.4778 |
| SW11-3 | 0 | 0 |
| SW12-1 | 0 | 0 |
| SW12-2 | 1 | 5.4717 |
| SW12-3 | 0 | 0 |
| SW13-1 | 0 | 0 |
| SW13-2 | 0 | 0 |
| SW13-3 | 0 | 0 |
| SW14-1 | 0 | 0 |
| SW14-2 | 2 | 0.9403 |
| SW14-3 | 0 | 0 |
| SW15-1 | 2 | 0.8248 |
| SW15-2 | 0 | 0 |
| SW15-3 | 0 | 0 |
| SW16-1 | 1 | 0.9833 |
| SW16-2 | 2 | 3.7648 |
| SW16-3 | 0 | 0 |
| GJ | SW18-1 | 0 | 0 |
| SW18-2 | 0 | 0 |
| SW19-1 | 0 | 0 |
| SW19-2 | 0 | 0 |
| SW20-1 | 0 | 0 |
| SW20-2 | 0 | 0 |
| SW21-1 | 0 | 0 |
| SW21-2 | 0 | 0 |
| SW22-1 | 0 | 0 |
| SW22-2 | 0 | 0 |
| XH | SW23-1 | 0 | 0 |
| SW23-2 | 0 | 0 |
| SW24-1 | 0 | 0 |
| SW24-2 | 0 | 0 |
| FH | SW25-1 | 0 | 0 |
| SW25-2 | 0 | 0 |
| SW26-1 | 0 | 0 |
| SW26-2 | 0 | 0 |
| XJ | SW27-1 | 5 | 14.3713 |
| SW27-2 | 3 | 11.8089 |
| SW28-1 | 0 | 0 |
| SW28-2 | 1 | 2.8476 |
| RH | SW29-1 | 0 | 0 |
| SW29-2 | 0 | 0 |
| SW30-1 | 0 | 0 |
| SW30-2 | 0 | 0 |
| SW30-3 | 0 | 0 |