**Supplementary Table 1:** Abundance of predators collected during the study period in Kibaha from 2008 - 2010

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sampling date** | Predator species | | | | | | | |
| *C. nigrita* | *C. runipustulatus* | *E. nigromaculatus* | *H. bigeminata* | *H. amurensis* | *C. montrouzieri* | *S. lemolea* | *C.* *perspicax* |
| 03\_Nov\_08 | 5 | 4 | 3 | 6 | 0 | 3 | 0 | 3 |
| 10\_Nov\_08 | 3 | 6 | 2 | 4 | 2 | 5 | 1 | 11 |
| 17\_Nov\_08 | 7 | 5 | 4 | 6 | 3 | 2 | 3 | 6 |
| 25\_Nov\_08 | 9 | 8 | 1 | 8 | 1 | 1 | 5 | 10 |
| 03\_Dec\_08 | 4 | 4 | 0 | 5 | 0 | 2 | 3 | 14 |
| 10\_Dec\_08 | 7 | 6 | 5 | 11 | 1 | 4 | 2 | 18 |
| 18\_Dec\_08 | 16 | 9 | 0 | 13 | 0 | 3 | 5 | 23 |
| 26\_Dec\_08 | 23 | 15 | 2 | 8 | 0 | 0 | 16 | 15 |
| 02\_Jan\_09 | 67 | 26 | 0 | 34 | 3 | 5 | 3 | 48 |
| 10\_Jan\_09 | 43 | 12 | 0 | 17 | 0 | 0 | 12 | 17 |
| 18\_Jan\_09 | 25 | 9 | 6 | 8 | 0 | 0 | 8 | 33 |
| 26\_Jan\_09 | 38 | 22 | 0 | 2 | 0 | 2 | 2 | 9 |
| 03\_Feb\_09 | 46 | 5 | 0 | 9 | 6 | 0 | 1 | 3 |
| 11\_Feb\_09 | 12 | 8 | 0 | 2 | 0 | 0 | 6 | 5 |
| 19\_Feb\_09 | 5 | 2 | 19 | 6 | 0 | 0 | 0 | 1 |
| 27\_Feb\_09 | 17 | 6 | 4 | 0 | 0 | 0 | 0 | 7 |
| 07\_Mar\_09 | 8 | 0 | 1 | 5 | 0 | 1 | 3 | 2 |
| 15\_Mar\_09 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 23\_Mar\_09 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| 31\_Mar\_09 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 6 |
| 08\_Apr\_09 | 3 | 2 | 3 | 5 | 2 | 3 | 1 | 3 |
| 16\_Apr\_09 | 2 | 0 | 1 | 4 | 0 | 0 | 0 | 6 |
| 24\_Apr\_09 | 4 | 6 | 8 | 4 | 3 | 6 | 4 | 3 |
| 02\_May\_09 | 2 | 3 | 6 | 6 | 7 | 3 | 5 | 6 |
| 10\_May\_09 | 3 | 5 | 9 | 5 | 6 | 5 | 2 | 4 |
| 18\_May\_09 | 0 | 5 | 0 | 2 | 0 | 0 | 6 | 2 |
| 26\_May\_09 | 3 | 4 | 3 | 3 | 4 | 3 | 5 | 7 |
| 03\_Jun\_09 | 2 | 6 | 6 | 5 | 6 | 5 | 3 | 6 |
| 11\_Jun\_09 | 4 | 3 | 5 | 4 | 2 | 4 | 2 | 4 |
| 19\_Jun\_09 | 5 | 3 | 4 | 2 | 3 | 2 | 4 | 6 |
| 27\_Jun\_09 | 4 | 4 | 2 | 5 | 7 | 5 | 6 | 9 |
| 05\_July\_09 | 3 | 4 | 4 | 3 | 4 | 3 | 6 | 8 |
| 13\_July\_09 | 4 | 2 | 5 | 11 | 1 | 0 | 3 | 0 |
| 21\_July\_09 | 7 | 4 | 8 | 14 | 2 | 2 | 5 | 3 |
| 29\_July\_09 | 5 | 3 | 12 | 15 | 1 | 0 | 4 | 9 |
| 06\_Aug\_09 | 3 | 1 | 10 | 14 | 3 | 1 | 1 | 6 |
| 14\_Aug\_09 | 5 | 0 | 3 | 11 | 0 | 0 | 1 | 0 |
| 22\_Aug\_09 | 3 | 4 | 5 | 8 | 4 | 3 | 6 | 9 |
| 30\_Aug\_09 | 6 | 2 | 3 | 10 | 2 | 6 | 4 | 6 |
| 07\_Sept\_09 | 4 | 4 | 4 | 11 | 3 | 3 | 13 | 11 |
| 15\_Sept\_09 | 3 | 0 | 0 | 9 | 0 | 0 | 6 | 4 |
| 23\_Sept\_09 | 6 | 3 | 4 | 7 | 4 | 3 | 8 | 3 |
| 01\_Oct\_09 | 4 | 5 | 2 | 10 | 1 | 5 | 7 | 11 |
| 09\_Oct\_09 | 3 | 3 | 1 | 13 | 3 | 2 | 6 | 9 |
| 17\_Oct\_09 | 2 | 1 | 0 | 7 | 0 | 0 | 2 | 0 |
| 25\_Oct\_09 | 8 | 3 | 4 | 4 | 2 | 4 | 3 | 7 |
| 01\_Nov\_09 | 12 | 5 | 2 | 5 | 5 | 6 | 8 | 11 |
| 09\_Nov\_09 | 10 | 3 | 1 | 2 | 7 | 2 | 5 | 8 |
| 17\_Nov\_09 | 14 | 1 | 0 | 1 | 0 | 0 | 0 | 4 |
| 25\_Nov\_09 | 18 | 4 | 3 | 4 | 3 | 4 | 9 | 10 |
| 03\_Dec\_09 | 15 | 3 | 4 | 7 | 2 | 3 | 6 | 8 |
| 11\_Dec\_09 | 17 | 7 | 0 | 3 | 0 | 0 | 5 | 9 |
| 19\_Dec\_09 | 19 | 13 | 2 | 5 | 0 | 0 | 8 | 12 |
| 27\_Dec\_09 | 20 | 27 | 6 | 2 | 0 | 1 | 3 | 6 |
| 04\_Jan\_10 | 26 | 9 | 0 | 13 | 2 | 0 | 23 | 24 |
| 12\_Jan\_10 | 38 | 2 | 0 | 6 | 0 | 3 | 7 | 11 |
| 20\_Jan\_10 | 10 | 13 | 2 | 14 | 1 | 5 | 1 | 8 |
| 28\_Jan\_10 | 8 | 4 | 0 | 9 | 0 | 0 | 9 | 25 |
| 05\_Feb\_10 | 13 | 1 | 0 | 0 | 3 | 0 | 0 | 6 |
| 13\_Feb\_10 | 3 | 8 | 1 | 0 | 0 | 0 | 0 | 0 |
| 21\_Feb\_10 | 2 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01\_Mar\_10 | 0 | 5 | 0 | 2 | 0 | 0 | 2 | 4 |
| 09\_Mar\_10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17\_Mar\_10 | 5 | 0 | 3 | 0 | 2 | 0 | 0 | 0 |
| 25\_Mar\_10 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 1 |
| 01\_Apr\_10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09\_Apr\_10 | 0 | 0 | 2 | 11 | 0 | 0 | 0 | 0 |
| 17\_Apr\_10 | 2 | 0 | 0 | 6 | 0 | 0 | 1 | 4 |
| 25\_Apr\_10 | 3 | 3 | 3 | 8 | 0 | 0 | 0 | 0 |
| 03\_May\_10 | 1 | 2 | 3 | 9 | 6 | 6 | 0 | 0 |
| 11\_May\_10 | 0 | 4 | 0 | 8 | 4 | 7 | 0 | 1 |
| 19\_May\_10 | 3 | 7 | 5 | 11 | 7 | 4 | 0 | 0 |
| 27\_May\_10 | 2 | 3 | 3 | 15 | 5 | 6 | 0 | 0 |
| 04\_Jun\_10 | 4 | 5 | 2 | 9 | 3 | 9 | 3 | 7 |
| 12\_Jun\_10 | 0 | 3 | 0 | 7 | 5 | 11 | 3 | 2 |
| 20\_Jun\_10 | 2 | 2 | 3 | 11 | 3 | 15 | 4 | 2 |
| 28\_Jun\_10 | 3 | 4 | 2 | 9 | 6 | 9 | 3 | 0 |
| 06\_July\_10 | 5 | 3 | 5 | 6 | 4 | 10 | 4 | 0 |
| 14\_July\_10 | 3 | 2 | 2 | 8 | 3 | 14 | 2 | 3 |
| 22\_July\_10 | 2 | 4 | 6 | 5 | 6 | 8 | 4 | 2 |
| 30\_July\_10 | 3 | 3 | 2 | 4 | 3 | 7 | 5 | 6 |
| 07\_Aug\_10 | 2 | 2 | 4 | 3 | 4 | 10 | 4 | 2 |
| 15\_Aug\_10 | 5 | 4 | 6 | 4 | 3 | 8 | 4 | 5 |
| 23\_Aug\_10 | 3 | 6 | 3 | 2 | 5 | 3 | 7 | 7 |
| 31\_Aug\_10 | 2 | 8 | 3 | 1 | 6 | 4 | 3 | 6 |
| 08\_Sept\_10 | 5 | 4 | 6 | 6 | 4 | 2 | 5 | 4 |
| 16\_Sept\_10 | 3 | 5 | 8 | 4 | 6 | 4 | 2 | 7 |
| 24\_Sept\_10 | 2 | 3 | 5 | 3 | 3 | 3 | 1 | 6 |
| 02\_Oct\_10 | 4 | 6 | 3 | 4 | 1 | 4 | 6 | 2 |

**Supplementary Table 2:** Abundance of predators collected during the study period in Dar es Salaam from 2008 - 2010

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sampling date** | Predator species | | | | | | | | | |
| *C. nigrita* | *C. runipustulatus* | *E. nigromaculatus* | *H. bigeminata* | *C. montrouzieri* | *H. amurensis* | *R. pumila* | *S. lemolea* | *C.* *perspicax* | *R. limbata* |
| 03\_Nov\_08 | 4 | 5 | 2 | 3 | 5 | 1 | 0 | 3 | 1 | 0 |
| 10\_Nov\_08 | 5 | 3 | 4 | 4 | 3 | 0 | 2 | 2 | 3 | 2 |
| 17\_Nov\_08 | 2 | 4 | 6 | 3 | 4 | 3 | 0 | 5 | 4 | 3 |
| 25\_Nov\_08 | 7 | 9 | 2 | 5 | 2 | 1 | 3 | 1 | 2 | 2 |
| 03\_Dec\_08 | 4 | 6 | 6 | 2 | 3 | 3 | 2 | 2 | 3 | 4 |
| 10\_Dec\_08 | 14 | 5 | 4 | 5 | 2 | 2 | 4 | 3 | 4 | 3 |
| 18\_Dec\_08 | 31 | 12 | 3 | 8 | 0 | 5 | 2 | 0 | 5 | 0 |
| 26\_Dec\_08 | 19 | 36 | 7 | 13 | 4 | 1 | 6 | 2 | 9 | 0 |
| 02\_Jan\_09 | 52 | 10 | 2 | 28 | 7 | 0 | 1 | 0 | 2 | 0 |
| 10\_Jan\_09 | 21 | 4 | 8 | 16 | 0 | 2 | 0 | 6 | 11 | 0 |
| 18\_Jan\_09 | 9 | 17 | 1 | 11 | 1 | 0 | 0 | 2 | 16 | 0 |
| 26\_Jan\_09 | 33 | 27 | 0 | 4 | 0 | 2 | 0 | 0 | 29 | 0 |
| 03\_Feb\_09 | 19 | 2 | 3 | 26 | 6 | 1 | 3 | 0 | 4 | 0 |
| 11\_Feb\_09 | 24 | 0 | 1 | 6 | 0 | 0 | 0 | 4 | 1 | 0 |
| 19\_Feb\_09 | 8 | 11 | 5 | 3 | 0 | 3 | 7 | 0 | 0 | 0 |
| 27\_Feb\_09 | 2 | 7 | 2 | 5 | 2 | 0 | 0 | 0 | 0 | 0 |
| 07\_Mar\_09 | 15 | 4 | 0 | 2 | 0 | 1 | 0 | 0 | 5 | 0 |
| 15\_Mar\_09 | 11 | 1 | 1 | 3 | 0 | 0 | 1 | 0 | 1 | 0 |
| 23\_Mar\_09 | 3 | 6 | 0 | 1 | 5 | 1 | 0 | 0 | 0 | 0 |
| 31\_Mar\_09 | 9 | 2 | 3 | 5 | 2 | 3 | 0 | 0 | 0 | 0 |
| 08\_Apr\_09 | 2 | 3 | 5 | 7 | 6 | 6 | 4 | 2 | 5 | 6 |
| 16\_Apr\_09 | 0 | 1 | 0 | 9 | 3 | 0 | 1 | 3 | 15 | 0 |
| 24\_Apr\_09 | 4 | 6 | 3 | 4 | 4 | 5 | 3 | 5 | 9 | 0 |
| 02\_May\_09 | 3 | 4 | 6 | 2 | 3 | 7 | 2 | 3 | 6 | 0 |
| 10\_May\_09 | 2 | 1 | 4 | 5 | 4 | 4 | 5 | 8 | 5 | 0 |
| 18\_May\_09 | 5 | 3 | 5 | 6 | 1 | 2 | 0 | 1 | 7 | 0 |
| 26\_May\_09 | 3 | 4 | 5 | 3 | 5 | 4 | 4 | 3 | 11 | 0 |
| 03\_Jun\_09 | 1 | 2 | 6 | 3 | 3 | 3 | 3 | 4 | 8 | 4 |
| 11\_Jun\_09 | 2 | 1 | 2 | 1 | 1 | 0 | 0 | 2 | 2 | 0 |
| 19\_Jun\_09 | 3 | 4 | 3 | 2 | 2 | 2 | 2 | 5 | 5 | 3 |
| 27\_Jun\_09 | 5 | 7 | 4 | 1 | 4 | 5 | 6 | 3 | 3 | 3 |
| 05\_July\_09 | 2 | 3 | 5 | 1 | 2 | 3 | 3 | 2 | 2 | 4 |
| 13\_July\_09 | 0 | 0 | 2 | 2 | 0 | 3 | 4 | 1 | 0 | 0 |
| 21\_July\_09 | 4 | 3 | 4 | 2 | 3 | 5 | 4 | 4 | 3 | 7 |
| 29\_July\_09 | 3 | 2 | 3 | 4 | 2 | 4 | 5 | 5 | 5 | 3 |
| 06\_Aug\_09 | 4 | 1 | 2 | 2 | 1 | 4 | 3 | 3 | 4 | 2 |
| 14\_Aug\_09 | 1 | 0 | 0 | 3 | 0 | 1 | 0 | 3 | 0 | 0 |
| 22\_Aug\_09 | 3 | 4 | 2 | 4 | 3 | 2 | 2 | 6 | 3 | 8 |
| 30\_Aug\_09 | 5 | 4 | 1 | 2 | 3 | 4 | 3 | 5 | 3 | 4 |
| 07\_Sept\_09 | 3 | 3 | 2 | 3 | 5 | 5 | 5 | 2 | 4 | 2 |
| 15\_Sept\_09 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 23\_Sept\_09 | 2 | 4 | 1 | 2 | 4 | 2 | 3 | 3 | 3 | 6 |
| 01\_Oct\_09 | 4 | 2 | 2 | 2 | 4 | 3 | 3 | 4 | 3 | 4 |
| 09\_Oct\_09 | 2 | 5 | 3 | 4 | 3 | 4 | 4 | 5 | 2 | 3 |
| 17\_Oct\_09 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 25\_Oct\_09 | 3 | 6 | 2 | 3 | 4 | 3 | 6 | 3 | 4 | 4 |
| 01\_Nov\_09 | 5 | 8 | 1 | 4 | 6 | 2 | 4 | 6 | 7 | 8 |
| 09\_Nov\_09 | 2 | 7 | 2 | 2 | 5 | 3 | 3 | 3 | 5 | 4 |
| 17\_Nov\_09 | 2 | 4 | 1 | 6 | 0 | 1 | 0 | 2 | 0 | 0 |
| 25\_Nov\_09 | 4 | 5 | 3 | 4 | 6 | 4 | 4 | 4 | 4 | 16 |
| 03\_Dec\_09 | 3 | 6 | 2 | 11 | 8 | 3 | 5 | 6 | 5 | 10 |
| 11\_Dec\_09 | 5 | 5 | 0 | 14 | 5 | 3 | 0 | 1 | 17 | 0 |
| 19\_Dec\_09 | 7 | 3 | 5 | 12 | 4 | 1 | 1 | 4 | 8 | 0 |
| 27\_Dec\_09 | 10 | 8 | 1 | 25 | 2 | 0 | 3 | 1 | 14 | 0 |
| 04\_Jan\_10 | 26 | 12 | 4 | 17 | 12 | 0 | 0 | 2 | 5 | 1 |
| 12\_Jan\_10 | 20 | 0 | 1 | 13 | 23 | 3 | 0 | 1 | 4 | 0 |
| 20\_Jan\_10 | 22 | 2 | 0 | 10 | 16 | 0 | 0 | 0 | 9 | 3 |
| 28\_Jan\_10 | 14 | 0 | 0 | 8 | 9 | 0 | 2 | 2 | 5 | 0 |
| 05\_Feb\_10 | 16 | 0 | 3 | 5 | 5 | 1 | 0 | 0 | 2 | 1 |
| 13\_Feb\_10 | 9 | 5 | 0 | 6 | 1 | 0 | 0 | 0 | 4 | 0 |
| 21\_Feb\_10 | 5 | 0 | 4 | 7 | 3 | 0 | 0 | 1 | 0 | 3 |
| 01\_Mar\_10 | 11 | 2 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 0 |
| 09\_Mar\_10 | 2 | 6 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 |
| 17\_Mar\_10 | 7 | 11 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 2 |
| 25\_Mar\_10 | 3 | 0 | 1 | 2 | 0 | 0 | 1 | 0 | 2 | 0 |
| 01\_Apr\_10 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| 09\_Apr\_10 | 2 | 3 | 2 | 0 | 2 | 2 | 2 | 2 | 3 | 1 |
| 17\_Apr\_10 | 2 | 1 | 0 | 3 | 1 | 0 | 1 | 1 | 4 | 0 |
| 25\_Apr\_10 | 4 | 3 | 3 | 3 | 2 | 1 | 3 | 4 | 2 | 1 |
| 03\_May\_10 | 3 | 5 | 2 | 4 | 3 | 2 | 4 | 2 | 4 | 2 |
| 11\_May\_10 | 5 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| 19\_May\_10 | 3 | 2 | 3 | 2 | 2 | 3 | 4 | 2 | 3 | 1 |
| 27\_May\_10 | 5 | 2 | 4 | 1 | 3 | 4 | 2 | 1 | 2 | 2 |
| 04\_Jun\_10 | 3 | 4 | 2 | 3 | 2 | 2 | 1 | 2 | 1 | 1 |
| 12\_Jun\_10 | 3 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 2 | 0 |
| 20\_Jun\_10 | 5 | 1 | 2 | 3 | 2 | 0 | 2 | 0 | 4 | 0 |
| 28\_Jun\_10 | 3 | 2 | 3 | 2 | 3 | 0 | 1 | 0 | 6 | 0 |
| 06\_July\_10 | 4 | 3 | 4 | 3 | 0 | 0 | 2 | 0 | 3 | 0 |
| 14\_July\_10 | 2 | 2 | 6 | 4 | 3 | 2 | 3 | 1 | 2 | 0 |
| 22\_July\_10 | 1 | 4 | 3 | 1 | 2 | 4 | 0 | 3 | 1 | 0 |
| 30\_July\_10 | 5 | 1 | 4 | 3 | 1 | 2 | 0 | 2 | 2 | 0 |
| 07\_Aug\_10 | 3 | 2 | 2 | 4 | 0 | 4 | 1 | 3 | 4 | 1 |
| 15\_Aug\_10 | 2 | 3 | 4 | 3 | 0 | 5 | 3 | 2 | 4 | 2 |
| 23\_Aug\_10 | 4 | 4 | 5 | 3 | 0 | 2 | 2 | 1 | 2 | 3 |
| 31\_Aug\_10 | 3 | 2 | 3 | 4 | 0 | 1 | 3 | 2 | 14 | 0 |
| 08\_Sept\_10 | 4 | 2 | 4 | 2 | 2 | 0 | 2 | 4 | 8 | 0 |
| 16\_Sept\_10 | 6 | 3 | 5 | 3 | 1 | 0 | 3 | 2 | 6 | 0 |
| 24\_Sept\_10 | 3 | 2 | 2 | 2 | 2 | 0 | 1 | 2 | 3 | 2 |
| 02\_Oct\_10 | 1 | 3 | 3 | 3 | 1 | 0 | 1 | 2 | 3 | 2 |