Appendix 1: Information on individual samples with respect to study year(s), age of site, number of carabid individuals (n), mean individual biomass of Carabidae (MIB), standard deviation (SD), and coefficient of variation (CV). Age of site refers to each first year regarding the study sites at Bełchatów and to the year 2007 regarding the study sites in Puszcza Knyszyńska. BE – Bełchatów, PK – Puszcza Knyszyńska, RV – Ruhr valley.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Study site** | **Study year(s)** | **Age of site** | **n** | **MIB** | **SD** | **CV** |
| BE1 | 2004/05 | 8 | 621 | 59.18 | 27.40 | 0.46 |
| BE1 | 2006/07 | 10 | 170 | 65.79 | 35.57 | 0.54 |
| BE1 | 2008/09 | 12 | 59 | 83.98 | 122.67 | 1.46 |
| BE1 | 2010/11 | 14 | 120 | 146.49 | 96.07 | 0.66 |
| BE2 | 2004/05 | 10 | 281 | 60.84 | 22.88 | 0.38 |
| BE2 | 2006/07 | 12 | 99 | 50.78 | 31.04 | 0.61 |
| BE2 | 2008/09 | 14 | 59 | 69.53 | 110.63 | 1.59 |
| BE2 | 2010/11 | 16 | 58 | 98.33 | 121.91 | 1.24 |
| BE3 | 2004/05 | 12 | 174 | 47.91 | 95.26 | 1.99 |
| BE3 | 2006/07 | 14 | 63 | 82.81 | 144.87 | 1.75 |
| BE3 | 2008/09 | 16 | 60 | 87.12 | 142.52 | 1.64 |
| BE3 | 2010/11 | 18 | 66 | 111.44 | 90.49 | 0.81 |
| BE4 | 2004/05 | 3 | 165 | 42.22 | 11.37 | 0.27 |
| BE4 | 2006/07 | 5 | 245 | 43.19 | 17.70 | 0.41 |
| BE4 | 2008/09 | 7 | 348 | 52.28 | 33.24 | 0.64 |
| BE4 | 2010/11 | 9 | 103 | 142.69 | 88.38 | 0.62 |
| BE5 | 2004/05 | 10 | 50 | 50.62 | 27.85 | 0.55 |
| BE5 | 2006/07 | 12 | 59 | 48.78 | 24.37 | 0.50 |
| BE5 | 2008/09 | 14 | 37 | 55.05 | 41.43 | 0.75 |
| BE5 | 2010/11 | 16 | 42 | 100.50 | 81.68 | 0.81 |
| BE6 | 2004/05 | 14 | 98 | 214.62 | 200.99 | 0.94 |
| BE6 | 2006/07 | 16 | 29 | 147.66 | 162.79 | 1.10 |
| BE6 | 2008/09 | 18 | 83 | 202.70 | 165.26 | 0.82 |
| BE6 | 2010/11 | 20 | 97 | 256.97 | 184.63 | 0.72 |
| BE7 | 2004/05 | 21 | 117 | 222.84 | 187.20 | 0.84 |
| BE7 | 2006/07 | 23 | 118 | 131.84 | 146.26 | 1.11 |
| BE7 | 2008/09 | 25 | 88 | 160.36 | 155.65 | 0.97 |
| BE7 | 2010/11 | 27 | 41 | 96.66 | 141.07 | 1.46 |
| PK1 | 2006-08 | 3 | 259 | 118.22 | 222.20 | 1.88 |
| PK2 | 2006-08 | 3 | 168 | 95.19 | 152.99 | 1.61 |
| PK3 | 2006-08 | 3 | 148 | 324.32 | 534.07 | 1.65 |
| PK4 | 2006-08 | 4 | 129 | 274.64 | 452.98 | 1.65 |
| PK5 | 2006-08 | 7 | 81 | 133.43 | 325.33 | 2.44 |
| PK6 | 2006-08 | 8 | 61 | 115.43 | 227.14 | 1.97 |
| PK7 | 2006-08 | 13 | 451 | 70.32 | 195.44 | 2.78 |
| PK8 | 2006-08 | 22 | 281 | 271.13 | 439.68 | 1.62 |
| PK9 | 2006-08 | 26 | 159 | 121.67 | 212.80 | 1.75 |
| PK10 | 2006-08 | 28 | 116 | 328.44 | 604.75 | 1.84 |
| PK11 | 2006-08 | 29 | 165 | 146.63 | 303.98 | 2.07 |
| PK12 | 2006-08 | 46 | 310 | 163.51 | 324.14 | 1.98 |
| PK13 | 2006-08 | 46 | 326 | 165.27 | 253.86 | 1.54 |
| PK14 | 2006-08 | 68 | 554 | 274.84 | 301.20 | 1.10 |
| PK15 | 2006-08 | 73 | 272 | 242.83 | 304.38 | 1.25 |
| PK16 | 2006-08 | 78 | 442 | 227.86 | 422.55 | 1.85 |
| PK17 | 2006-08 | 81 | 297 | 112.59 | 92.45 | 0.82 |
| PK18 | 2006-08 | 83 | 413 | 179.32 | 184.21 | 1.03 |
| PK19 | 2006-08 | 91 | 549 | 298.01 | 333.85 | 1.12 |
| PK20 | 2006-08 | 93 | 222 | 260.60 | 498.18 | 1.91 |
| PK21 | 2006-08 | 93 | 1353 | 206.82 | 212.86 | 1.03 |
| PK22 | 2006-08 | 101 | 730 | 217.42 | 290.94 | 1.34 |
| PK23 | 2006-08 | 103 | 1206 | 206.58 | 275.67 | 1.33 |
| PK24 | 2006-08 | 127 | 211 | 95.06 | 294.37 | 3.10 |
| RV1 | 2009 | 1 | 744 | 156.88 | 344.55 | 2.20 |
| RV1 | 2010 | 2 | 376 | 178.23 | 334.75 | 1.88 |
| RV2 | 2009 | 1 | 129 | 512.40 | 298.98 | 0.58 |
| RV2 | 2010 | 2 | 206 | 283.02 | 304.81 | 1.08 |
| RV3 | 2009 | 3 | 163 | 265.18 | 283.42 | 1.07 |
| RV3 | 2010 | 4 | 205 | 242.03 | 261.03 | 1.08 |
| RV4 | 2009 | 4 | 139 | 402.37 | 264.62 | 0.66 |
| RV4 | 2010 | 5 | 42 | 372.83 | 302.43 | 0.81 |
| RV5 | 2009 | 13 | 125 | 428.34 | 254.89 | 0.60 |
| RV5 | 2010 | 14 | 78 | 241.12 | 244.61 | 1.01 |
| RV6 | 2009 | 20 | 866 | 317.90 | 339.71 | 1.07 |
| RV6 | 2010 | 21 | 589 | 269.24 | 279.22 | 1.04 |
| RV7 | 2009 | 26 | 352 | 697.41 | 375.52 | 0.54 |
| RV7 | 2010 | 27 | 292 | 788.10 | 421.09 | 0.53 |
| RV8 | 2009 | 28 | 699 | 666.67 | 274.78 | 0.41 |
| RV8 | 2010 | 29 | 494 | 663.55 | 230.55 | 0.35 |
| RV9 | 2009 | 52 | 277 | 708.53 | 217.97 | 0.31 |
| RV9 | 2010 | 53 | 353 | 776.67 | 267.63 | 0.34 |
| RV10 | 2009 | 78 | 477 | 622.06 | 297.77 | 0.48 |
| RV10 | 2010 | 79 | 373 | 721.09 | 294.26 | 0.41 |
| RV11 | 2009 | 146 | 586 | 654.30 | 293.36 | 0.45 |
| RV11 | 2010 | 147 | 862 | 683.01 | 254.29 | 0.37 |
| RV12 | 2009 | 146 | 442 | 700.24 | 287.68 | 0.41 |
| RV12 | 2010 | 147 | 476 | 737.95 | 281.58 | 0.38 |
| RV13 | 2009 | 152 | 273 | 426.19 | 312.55 | 0.73 |
| RV13 | 2010 | 153 | 321 | 648.13 | 230.28 | 0.36 |
| RV14 | 2009 | 165 | 264 | 733.63 | 323.09 | 0.44 |
| RV14 | 2010 | 166 | 130 | 722.70 | 241.34 | 0.33 |