

Oikos

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Appendix A1

Tabelle 1

Table A1. Full species list representing the standardized number of individuals per species for the study sites Steckby, Woerlitz, and Sandau. Density expresses the proportion of species standardized abundances to total abundance. Macropterous = winged, brachypterous = wingless, dimorphic = both forms can appear with a species. Body size is the average of maximum and minimum values found in the literature (for references see below).

Species names	Steckby	Woerlitz	Sandau	Density	Wing Morphology	Reproduction Season	Body size In mm
<i>Acupalpus dubius</i>	0.032	0	0.016	0	macropterous	spring	2.6
<i>Acupalpus exiguus</i>	1.838	1.019	0.71	0.005	macropterous	spring	2.7
<i>Acupalpus parvulus</i>	0.081	0.038	0.032	0	macropterous	spring	3.6
<i>Agonum dolens</i>	0.032	0.038	0.081	0	dimorph	spring	8.8
<i>Agonum duftschmidi</i>	14.966	2.755	0.016	0.025	macropterous	spring	8.2
<i>Agonum emarginatum</i>	116.659	4.472	25.194	0.208	macropterous	spring	7.2
<i>Agonum fuliginosum</i>	0.097	0.038	0	0	dimorph	spring	6.7
<i>Agonum lugens</i>	0.177	0	0.081	0	macropterous	spring	9
<i>Agonum marginatum</i>	0.371	0.075	0.113	0.001	macropterous	spring	9.2
<i>Agonum micans</i>	19.502	4.208	23.71	0.067	macropterous	spring	6.6
<i>Agonum muelleri</i>	0	0.019	0	0	macropterous	spring	8.2
<i>Agonum piceum</i>	0.468	0	0.016	0.001	macropterous	spring	6.4
<i>Agonum sexpunctatum</i>	0.032	0	0.016	0	macropterous	spring	8.2
<i>Agonum thoreyi</i>	0.016	0	0	0	macropterous	spring	6.8
<i>Agonum versutum</i>	6.016	1.887	0.097	0.011	macropterous	spring	7.5
<i>Amara aenea</i>	0.15	0.057	0.161	0.001	macropterous	spring	7.5
<i>Amara aulica</i>	0.065	0.887	0.048	0.001	macropterous	autumn	12.6
<i>Amara bifrons</i>	0.016	0.057	0.016	0	macropterous	autumn	6.3
<i>Amara communis</i>	3.657	0.302	1.065	0.007	macropterous	spring	6.8
<i>Amara convexior</i>	0	0	0.016	0	macropterous	spring	7.8
<i>Amara equestris</i>	0.661	0.358	0	0.001	macropterous	autumn	10.9
<i>Amara familiaris</i>	0.231	0.113	0.145	0.001	macropterous	spring	6.5
<i>Amara lunicollis</i>	1.73	0.094	0.048	0.003	macropterous	spring	7.7
<i>Amara ovata</i>	0.15	0.038	0.032	0	macropterous	spring	8.6
<i>Amara plebeja</i>	0.231	0.019	0.065	0	macropterous	spring	7
<i>Amara similata</i>	0.145	0.226	0.065	0.001	macropterous	spring	8.8
<i>Amara spreta</i>	0	0	0.032	0	macropterous	spring	8
<i>Amara strenua</i>	1.42	0.038	0.032	0.002	macropterous	spring	9
<i>Amara tibialis</i>	0.048	0.019	0.048	0	macropterous	spring	5
<i>Anchomenus dorsalis</i>	0	0	0.048	0	macropterous	spring	6.7
<i>Anisodactylus binotatus</i>	6.896	3	0.935	0.015	macropterous	spring	11
<i>Anthracus consputus</i>	3.995	0.34	0.226	0.006	macropterous	spring	4.5
<i>Badister bullatus</i>	0.021	0	0	0	macropterous	spring	5.5
<i>Badister meridionalis</i>	0.048	0.038	0.016	0	macropterous	spring	6.7
<i>Badister sodalis</i>	0.102	0	0	0	dimorph	spring	4.2
<i>Badister unipustulatus</i>	0.129	0.019	0.016	0	macropterous	spring	7.9
<i>Bembidion argenteolum</i>	0.016	0	0	0	macropterous	spring	6.5
<i>Bembidion assimile</i>	0.371	0	0.113	0.001	dimorph	spring	3.2
<i>Bembidion biguttatum</i>	8.279	2.415	4.306	0.021	macropterous	spring	4
<i>Bembidion bruxellense</i>	0	0.019	0	0	macropterous	spring	4.7
<i>Bembidion dentellum</i>	6.88	5.623	5.468	0.026	macropterous	spring	5.5
<i>Bembidion fumigatum</i>	0.048	0	0	0	macropterous	spring	3.8
<i>Bembidion gilvipes</i>	0.626	0.132	0.161	0.001	dimorph	spring	2.8
<i>Bembidion guttula</i>	5.715	0.83	1.419	0.011	dimorph	spring	3.3
<i>Bembidion lampros</i>	0	0.113	0	0	dimorph	spring	3.6

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<i>Bembidion lunulatum</i>	0.065	0.038	0	0	macropterous	spring	3.7
<i>Bembidion minimum</i>	0.016	0	0.016	0	macropterous	spring	2.8
<i>Bembidion obtusum</i>	0	0	0.016	0	dimorph	spring	3
<i>Bembidion octomaculatum</i>	0.032	0	0	0	macropterous	spring	2.5
<i>Bembidion properans</i>	0.032	0.113	0.177	0	dimorph	spring	4
<i>Bembidion quadrimaculatum</i>	0.032	0.038	0	0	macropterous	spring	3
<i>Bembidion semipunctatum</i>	0.065	0.283	0.968	0.002	macropterous	spring	3.8
<i>Bembidion tetracolum</i>	0.032	0.226	0.452	0.001	dimorph	spring	5.3
<i>Bembidion varium</i>	0.016	0	0.032	0	macropterous	spring	4.3
<i>Blethisa multipunctata</i>	0.226	0	0.048	0	macropterous	spring	11.8
<i>Bradycellus harpalinus</i>	0.016	0	0	0	dimorph	spring	4.3
<i>Calathus fuscipes</i>	1.505	0.396	0	0.003	dimorph	autumn	11.8
<i>Calathus melanocephalus</i>	0.71	0.151	0.032	0.001	dimorph	autumn	7.5
<i>Carabus auratus</i>	0.032	0	0	0	brachypterous	spring	23.5
<i>Carabus glabratus</i>	0.194	0	0	0	brachypterous	spring/autumn	28
<i>Carabus granulatus</i>	34.288	8.528	10.839	0.076	brachypterous	spring	19.5
<i>Carabus nemoralis</i>	0.048	0.283	0.016	0	brachypterous	spring	23
<i>Chlaenius nigricornis</i>	8.405	1.943	3.016	0.019	macropterous	spring	11
<i>Chlaenius tristis</i>	0.016	0	0	0	macropterous	spring	11.8
<i>Clivina collaris</i>	0	0	0.016	0	macropterous	spring	5.3
<i>Clivina fossor</i>	12.561	7.962	10.5	0.044	dimorph	spring	6
<i>Cychrus caraboides</i>	0.016	0	0	0	dimorph	autumn	16
<i>Demetrias monostigma</i>	0.081	0	0	0	dimorph	spring	4.5
<i>Dyschirius aeneus</i>	0.065	0.057	0.032	0	macropterous	spring	3.1
<i>Dyschirius globosus</i>	0.481	0.057	0.097	0.001	dimorph	spring	2.5
<i>Dyschirius luedersi</i>	0.258	0.057	0.081	0.001	macropterous	spring	3.6
<i>Dyschirius politus</i>	0	0	0.016	0	macropterous	spring	4.3
<i>Elaphrus cupreus</i>	0.548	0.019	0.452	0.001	macropterous	spring	2
<i>Elaphrus riparius</i>	0.161	0.057	0.323	0.001	macropterous	spring	6.8
<i>Epaphius secalis</i>	0.684	0.151	0.065	0.001	brachypterous	autumn	3.6
<i>Harpalus affinis</i>	0	0.208	0.048	0	macropterous	spring/autumn	10.2
<i>Harpalus distinguendus</i>	0.032	0	0	0	macropterous	spring/autumn	9.6
<i>Harpalus latus</i>	0.456	0.717	1.435	0.004	macropterous	spring/autumn	9.5
<i>Harpalus luteicornis</i>	0.194	0.245	0.274	0.001	macropterous	spring/autumn	7
<i>Harpalus signaticornis</i>	0.037	0	0	0	macropterous	spring	6.8
<i>Loricera pilicornis</i>	10.284	0.981	12.71	0.034	macropterous	spring	7.3
<i>Microlestes minutulus</i>	0.016	0.113	0	0	dimorph	spring	3.2
<i>Nebria brevicollis</i>	27.497	4.057	0.016	0.045	macropterous	autumn	12
<i>Notiophilus aquaticus</i>	0.016	0	0	0	dimorph	autumn	5.1
<i>Notiophilus palustris</i>	0.048	0	0	0	dimorph	spring	5
<i>Odacantha melanura</i>	0.016	0	0	0	macropterous	spring	6.8
<i>Omophron limbatum</i>	0.016	0	0.048	0	macropterous	spring	5.5
<i>Oodes helopioides</i>	5.713	0.208	0.129	0.009	macropterous	spring	8.5
<i>Ophonus diffinis</i>	0	0.075	0	0	macropterous	spring	11.2
<i>Ophonus rufibarbis</i>	0	1.283	0	0.002	macropterous	spring	7.8
<i>Oxypselaphus obscurus</i>	1.181	0	0.016	0.002	dimorph	spring/autumn	5.5
<i>Patrobus atrorufus</i>	0.788	0.981	0	0.003	brachypterous	autumn	8.5
<i>Philorhizus sigma</i>	0.065	0.019	0.032	0	dimorph	spring	3.2
<i>Platynus assimilis</i>	0.306	2.66	0.661	0.005	macropterous	spring	10.5
<i>Platynus livens</i>	0.097	0.189	0	0	macropterous	spring	9
<i>Platynus longiventris</i>	0.016	0	0	0	macropterous	spring	13
<i>Poecilus cupreus</i>	7.002	7.792	20.113	0.05	macropterous	spring	11.5

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<i>Poecilus versicolor</i>	53.799	6.566	2.935	0.09	macropterous	spring	10.1
<i>Pseudophonus griseus</i>	0	0.038	0	0	macropterous	autumn	10.1
<i>Pseudophonus rufipes</i>	0.355	5.868	1.435	0.011	macropterous	spring/autumn	13.3
<i>Pterostichus anthracinus</i>	11.932	2.962	3.887	0.027	dimorph	spring	11.2
<i>Pterostichus diligens</i>	0.081	0	0.032	0	dimorph	spring	5.6
<i>Pterostichus gracilis</i>	8.725	0.585	2.694	0.017	macropterous	spring	9
<i>Pterostichus melanarius</i>	11.043	19.623	0.597	0.044	dimorph	autumn	15.3
<i>Pterostichus minor</i>	0.177	0.019	0.016	0	dimorph	spring	7.3
<i>Pterostichus niger</i>	0.272	0.264	0.032	0.001	dimorph	autumn	18.3
<i>Pterostichus nigrita</i>	7.861	0.774	4	0.018	dimorph	spring	10.8
<i>Pterostichus oblongopunctatus</i>	0	0	0.016	0	macropterous	spring	11
<i>Pterostichus rhaeticus</i>	0.032	0	0	0	dimorph	spring	9.7
<i>Pterostichus strenuus</i>	3.536	2.396	2.21	0.012	dimorph	spring	6.1
<i>Pterostichus vernalis</i>	1.762	0.396	2.016	0.006	dimorph	spring	6.8
<i>Stenolophus mixtus</i>	6.452	5.925	2.806	0.022	macropterous	spring	5.7
<i>Stenolophus skrimshiranus</i>	1.339	0.057	0	0.002	macropterous	spring	6.1
<i>Stomis pumicatus</i>	0.016	0.17	0	0	brachypterous	spring	7.5
<i>Syntomus truncatellus</i>	0.101	0	0.032	0	dimorph	spring	2.9
<i>Tachys bistratus</i>	0.226	0.057	0.016	0	macropterous	spring	2.1
<i>Trechoblemus micros</i>	0.016	0.019	0	0	macropterous	spring	4.3
<i>Trechus obtusus</i>	0.226	0.057	0.016	0	dimorph	autumn	3.8
<i>Trechus quadristriatus</i>	4.583	3.623	5.242	0.019	macropterous	autumn	3.5
<i>Trichocellus placidus</i>	0.032	0	0	0	macropterous	autumn	4.8

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