**Table 1.** Ground beetle species collected via unbaited pitfall traps at Powdermill Nature Reserve in Rector, Westmoreland County, Pennsylvania, U.S.A. in 2013-2015. The species list is arranged phylogenetically following Bousquet (2012) with dispersal potential from Larochelle and Larivière (2003). Vouchers were deposited at the C. A. Triplehorn Insect Collection, Museum of Biological Diversity, The Ohio State University, Columbus, Ohio. Each voucher specimen received a unique identifier number.

**not in Bousquet 2010**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Tribe** | **Species** | **Dispersal** | **2013** | **2014** | **2015** | **Total** | **Identifier Label** |
| Notiophilini | *Notiophilus aeneus* (Herbst) | M | 5 | 11 | 12 | 28 |  |
| Cychrini | *Sphaeroderus canadensis canadensis* Chaudoir | B | 3 | 12 | 43 | 58 |  |
|  | *Sphaeroderus stenostomus lecontei* Dejean | B | 60 | 112 | 150 | 322 |  |
|  | *Scaphinotus* (*Irichroa*) *viduus* (Dejean) | B | 1 | 1 | 5 | 7 |  |
|  | *Scaphinotus* (*Maronetus*) *imperfectus* (Horn) | B | 1 | 5 | 2 | 8 |  |
|  | *Scaphinotus* (*Steniridia*) *andrewsii mutabilis* (Casey) | B | 1 | 2 | 1 | 4 |  |
|  | *Scaphinotus* (*Steniridia*) *ridingsii ridingsii* (Bland) | B | 0 | 1 | 0 | 1 |  |
| Carabini | *Carabus* (*Carabus*) *goryi* Dejean | B | 222 | 268 | 368 | 858 |  |
| Trechini | *Trechus* (*Trechus*) *quadristriatus* (Schrank) | M | 1 | 0 | 0 | 1 |  |
| Bembidiini | *Bembidion* (*Eupetedromus*) *graciliforme* Hayward | M | 0 | 0 | 2 | 2 |  |
| Patrobini | *Patrobus longicornis* (Say) | D | 0 | 2 | 0 | 2 |  |
| Abacetini | *Loxandrus* spp. | M | 0 | 1 | 3 | 4 |  |
| Pterostichini | *Poecilus* (*Poecilus*) *lucublandus* (Say) | M | 28 | 1 | 3 | 32 |  |
|  | *Lophoglossus scrutator* (LeConte) | M | 0 | 3 | 1 | 4 |  |
|  | *Gastrellarius honestus* (Say) | B | 3 | 0 | 3 | 6 |  |
|  | *Myas* (*Trigonognatha*) *coracinus* (Say) | B | 11 | 7 | 0 | 18 |  |
|  | *Myas* (*Trigonognatha*) *cyanescens* Dejean | B | 7 | 4 | 1 | 12 |  |
|  | *Pterostichus* (*Bothriopterus*) *mutus* (Say) | M | 0 | 1 | 4 | 5 |  |
|  | *Pterostichus* (*Bothriopterus*) *trinarius* (Casey) | M | 0 | 2 | 9 | 11 |  |
|  | *Pterostichus* (*Melanius*) *corvinus* (Dejean) | M | 0 | 12 | 6 | 18 |  |
|  | *Pterostichus* (*Gastrosticta*) *sayanus* Csiki | B | 0 | 3 | 4 | 7 |  |
|  | *Pterostichus* (*Morphnosoma*) *melanarius* (Illiger) | D | 0 | 0 | 1 | 1 |  |
|  | *Pterostichus* (*Euferonia*) *coracinus* (Newman) | B | 2 | 0 | 29 | 31 |  |
|  | *Pterostichus* (*Euferonia*) *lachrymosus* (Newman) | B | 133 | 111 | 79 | 323 |  |
|  | *Pterostichus* (*Euferonia*) *stygicus* (Say) | B | 78 | 232 | 151 | 461 |  |
|  | *Pterostichus* (*Abacidus*) *atratus* (Newman) | B | 33 | 6 | 1 | 40 |  |
|  | *Pterostichus* (*Abacidus*) *hamiltoni* Horn | B | 42 | 46 | 7 | 95 |  |
|  | *Pterostichus* (*Eosteropus*) *moestus* (Say) | B | 102 | 124 | 245 | 471 |  |
|  | *Pterostichus* (*Monoferonia*) *diligendus* (Chaudoir) | B | 8 | 22 | 6 | 36 |  |
|  | *Pterostichus* (*Cylindrocharis*) *rostratus* (Newman) | B | 14 | 18 | 45 | 77 |  |
|  | *Pterostichus* (*Hypherpes*) *adoxus* (Say) | B | 110 | 101 | 95 | 306 |  |
|  | *Pterostichus* (*Hypherpes*) *tristis* (Dejean) | B | 88 | 54 | 17 | 159 |  |
|  | *Cyclotrachelus* (*Cyclotrachelus*) *fucatus* (Freitag) | B | 127 | 147 | 108 | 382 |  |
|  | *Cyclotrachelus* (*Evarthrus*) *convivus* (LeConte) | B | 0 | 0 | 1 | 1 |  |
|  | *Cyclotrachelus* (*Evarthrus*) *sigillatus* (Say) | B | 123 | 145 | 103 | 371 |  |
|  | *Cyclotrachelus* (*Evarthrus*) *sodalis sodalis* (LeConte) | B | 37 | 37 | 14 | 88 |  |
| Chlaeniini | *Chlaenius* (*Anomoglossus*) *emarginatus* Say | M | 113 | 171 | 280 | 564 |  |
|  | *Chlaenius* (*Chlaenius*) *laticollis* Say | M | 0 | 0 | 2 | 2 |  |
|  | *Chlaenius* (*Chlaeniellus*) *tricolor tricolor* Dejean | M | 0 | 1 | 0 | 1 |  |
| Licinini | *Dicaelus* (*Paradicaelus*) *politus* Dejean | B | 4 | 25 | 79 | 108 |  |
|  | *Dicaelus* (*Paradicaelus*) *sculptilis intricatus* LeConte | B | 6 | 11 | 18 | 35 |  |
|  | *Dicaelus* (*Paradicaelus*) *teter* Bonelli | B | 53 | 111 | 145 | 309 |  |
| Harpalini | *Notiobia* (*Anisotarsus*) *nitidipennis* (LeConte) | M | 5 | 14 | 10 | 29 |  |
|  | *Notiobia* (*Anisotarsus*) *terminata* (Say) | M | 1 | 14 | 0 | 15 |  |
|  | *Xestonotus lugubris* (Dejean) | M | 2 | 0 | 0 | 2 |  |
|  | *Anisodactylus* (*Anisodactylus*) *agricola* (Say) | B | 0 | 0 | 1 | 1 |  |
|  | *Anisodactylus* (*Anisodactylus*) *harrisii* LeConte | M | 0 | 0 | 2 | 2 |  |
|  | *Anisodactylus* (*Anisodactylus*) *melanopus* (Haldeman) | M | 0 | 1 | 1 | 2 |  |
|  | *Anisodactylus* (*Anisodactylus*) *nigerrimus* (Dejean) | M | 0 | 0 | 3 | 3 |  |
|  | *Amphasia* (*Amphasia*) *interstitialis* (Say) | M | 25 | 6 | 32 | 63 |  |
|  | *Harpalus* (*Opadius*) *spadiceus* Dejean | B | 0 | 0 | 2 | 2 |  |
|  | *Selenophorus* (*Selenophorus*) *opalinus* (LeConte) | M | 0 | 0 | 1 | 1 |  |
|  | *Trichotichnus* (*Trichotichnus*) *vulpeculus* (Say) | M | 1 | 2 | 0 | 3 |  |
|  | *Trichotichnus* (*Iridessus*) *autumnalis* (Say) | M | 7 | 24 | 87 | 118 |  |
| Sphodrini | *Pseudamara arenaria* (LeConte) | D | 0 | 1 | 2 | 3 |  |
|  | *Calathus* (*Neocalathus*) *gregarius* (Say) | D | 2 | 0 | 0 | 2 |  |
|  | *Synuchus impunctatus* (Say) | D | 2 | 10 | 2 | 14 |  |
| Platynini | *Olisthopus parmatus* (Say) | M | 2 | 8 | 8 | 18 |  |
|  | *Agonum* (*Europhilus*) *retractum* LeConte | D | 0 | 0 | 3 | 3 |  |
|  | *Agonum* (*Olisares*) *excavatum* Dejean | M | 1 | 0 | 0 | 1 |  |
|  | *Agonum* (*Olisares*) *ferreum* Haldeman | M | 6 | 3 | 2 | 11 |  |
|  | *Agonum* (*Olisares*) *fidele* Casey | M | 9 | 67 | 52 | 128 |  |
|  | *Platynus* (*Platynus*) *decentis* (Say) | B | 4 | 3 | 6 | 13 |  |
|  | *Platynus* (*Platynus*) *tenuicollis* (LeConte) | M | 43 | 27 | 10 | 80 |  |
|  | *Platynus* (*Batenus*) *angustatus* Dejean | B | 180 | 327 | 36 | 543 |  |
|  | *Platynus* (*Batenus*) *hypolithos* (Say) | B | 11 | 36 | 1 | 48 |  |
| Lebiini | *Cymindis* (*Tarulus*) *americana* Dejean | D | 0 | 1 | 0 | 1 |  |
|  | *Cymindis* (*Pinacodera*) *limbata* Dejean | M | 1 | 1 | 0 | 2 |  |
|  | *Apenes* (*Apenes*) *lucidula* (Dejean | D | 7 | 13 | 1 | 21 |  |
|  | **Total Number of Individuals** |  | 1725 | 2368 | 2305 | 6398 |  |
|  | **Total Number of Species** |  | 47 | 53 | 57 | 69 |  |