

Missy Martin

Oregon Bee Atlas Collection and Identification Report

1 All Your Collections

Missy Martin caught 120 bees across 2 counties from April 20, 2018 to August 19, 2019, representing 44 unique taxa, including 35 unique species.

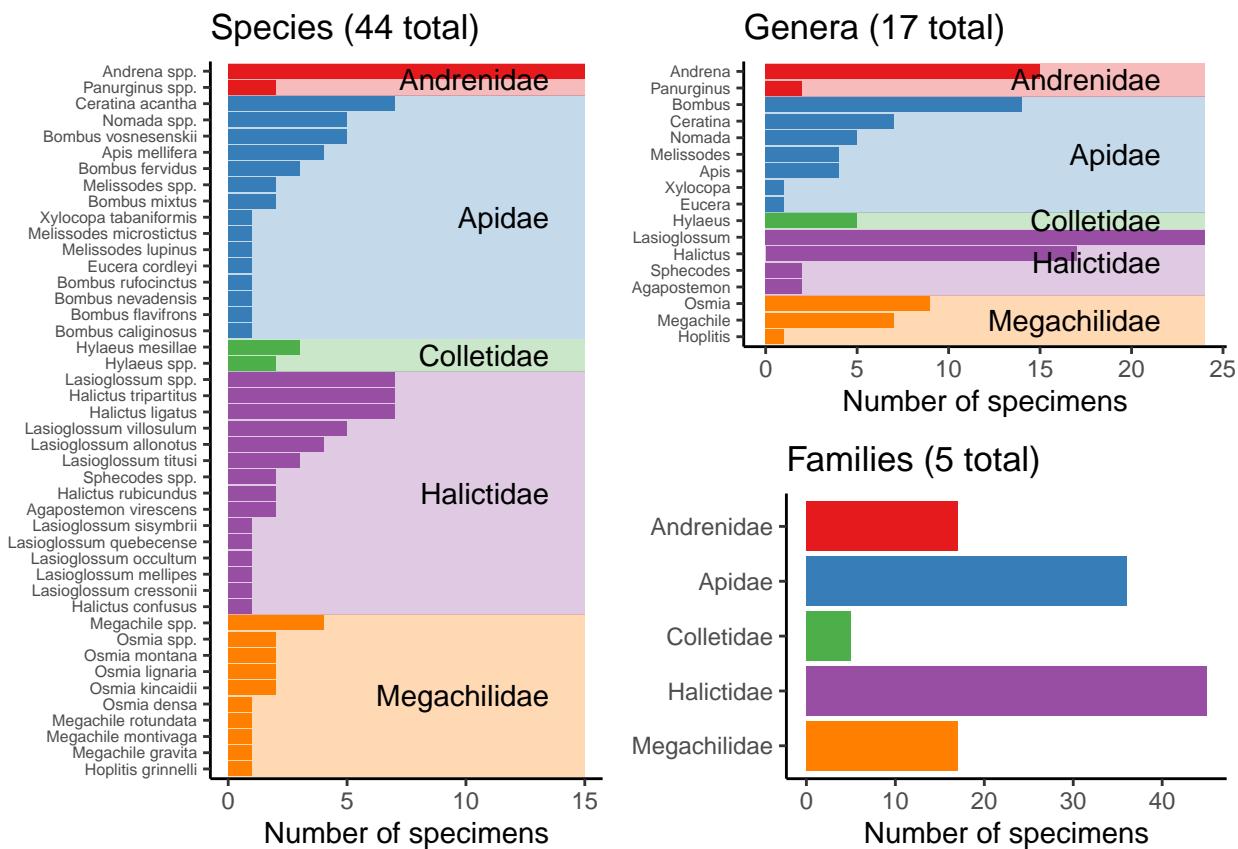


Figure 1: Bees caught by Missy Martin, broken down by species, genus, and family.

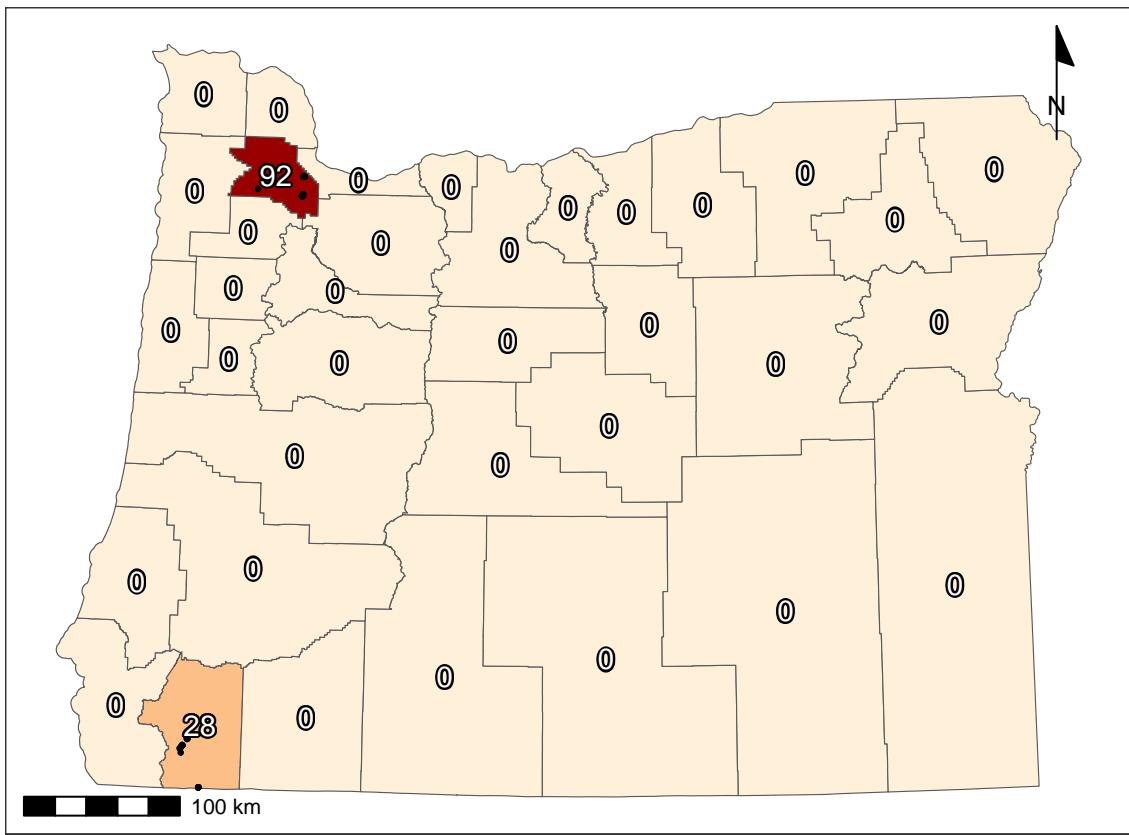


Figure 2: Bee catch locations for Missy Martin (within Oregon), along with total catches per county.

2 Total Catches

Volunteers from the Oregon Bee Atlas project caught 22478 bees across 36 counties from January 24, 2023 to December 13, 2023, representing 90 unique species and 48 unique genera. The **Nimble Net Kudos** (most specimens collected) goes to Scott Sublette, Dan O'Loughlin, and Michael O'Loughlin, who caught a total of 2274, 1283, and 1255 specimens. The *positive* kind of **Darwin Award** (most species collected) goes to Scott Sublette, Ellen Silva, and Michael O'Loughlin, who caught a total of 77, 74, and 72 unique species. Well done!



Figure 3: Bees caught by all volunteers, broken down by species, genus, and family.

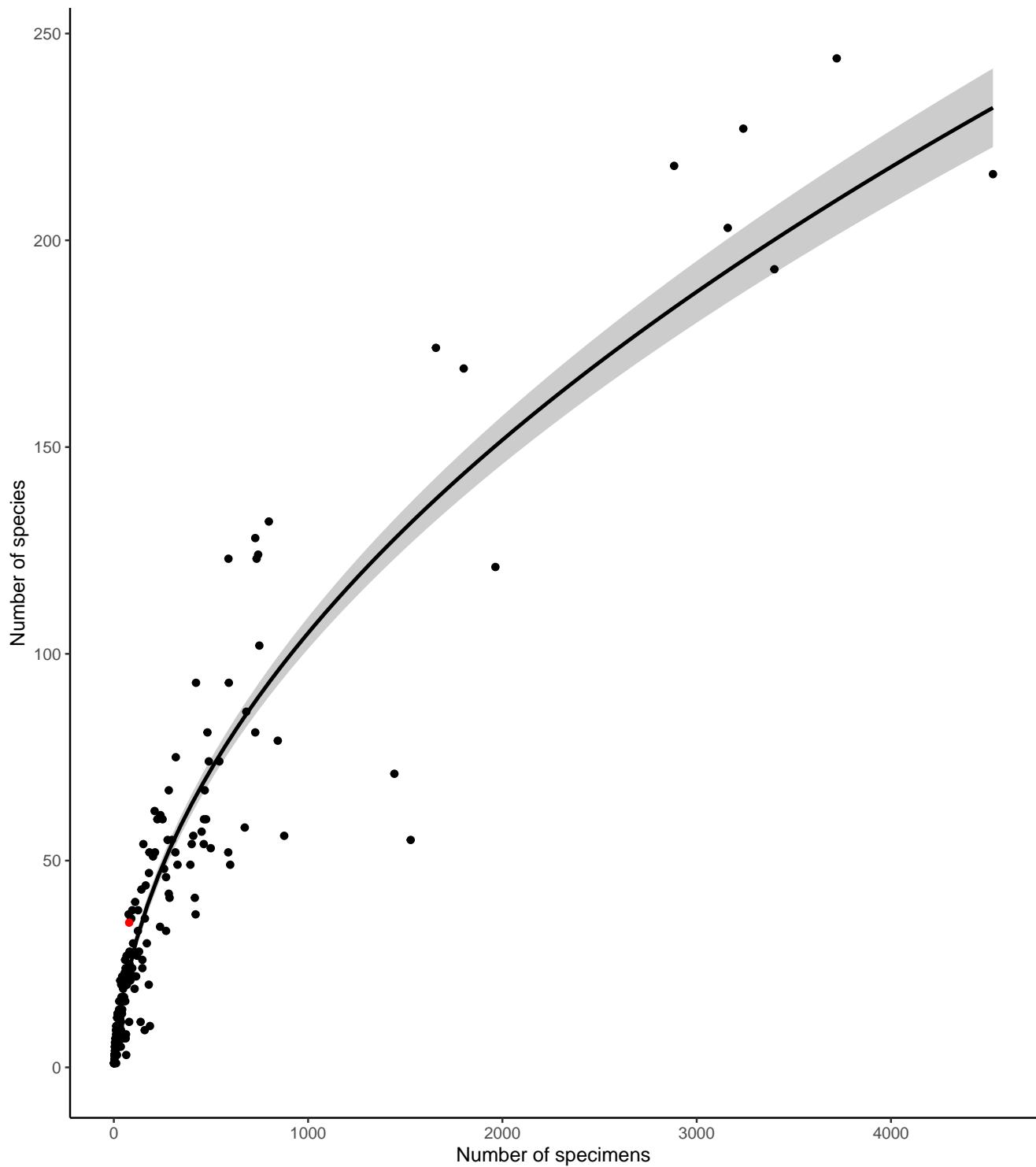


Figure 4: Number of bee specimens and unique bee species caught by all volunteers, with your effort shown in red. This graph should give you an idea of how many specimens you would need to catch to begin seeing rarer bee species.

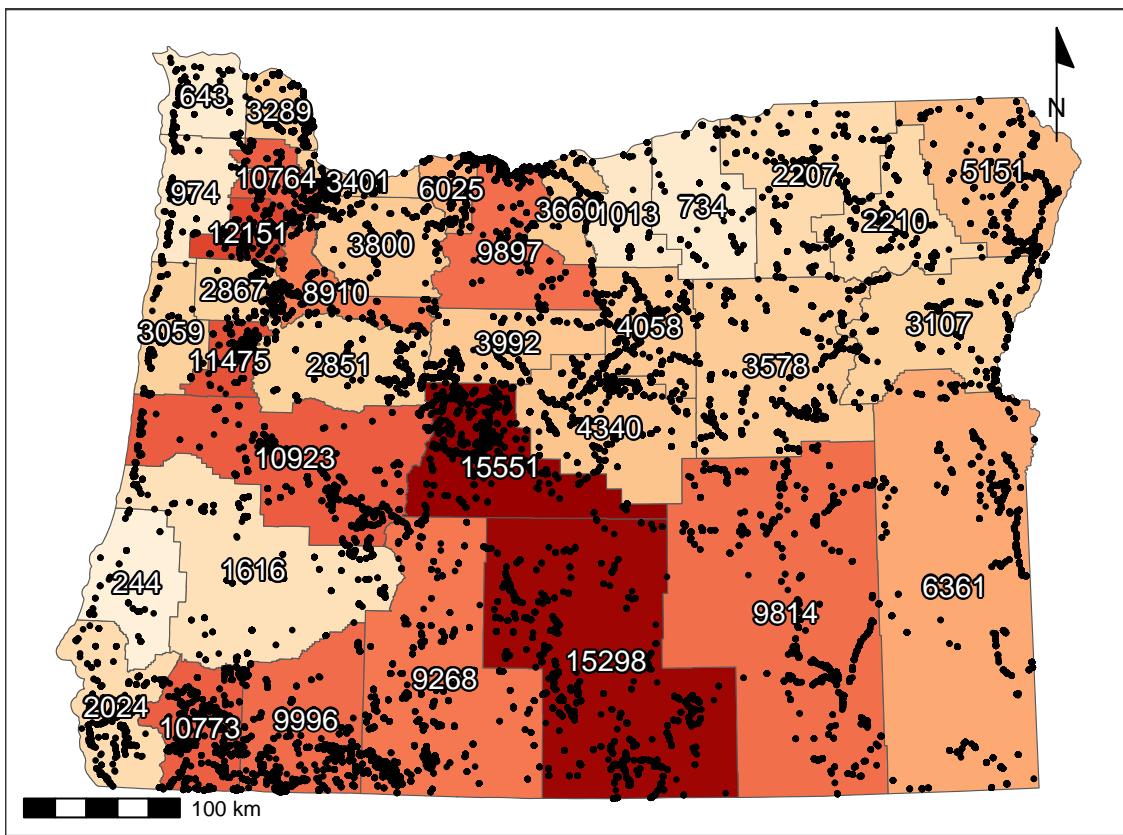


Figure 5: Total specimens caught per county, along with catch location of each specimen (black dots). For genus- and species-specific information for each county, see Tables 3 and 4.



Figure 6: Total catches per (Level III) ecoregion, along with catch location of each specimen (black dots).

3 Flight Phenology

West of (and including) the Cascade Mountains, most bees (90%) were caught between April 13 and September 02, but the peak of season (50% of specimens) was from May 21 to July 26.



Figure 7: Phenology plot for all bee species caught in or West of the Cascade Mountains, sorted by median abundance times. Percentiles of overall emergence times (50th & 90th) are shown in grey shaded regions. Date ranges for each species (minimum, first, second, third quartiles, and maximum) are shown only for species with >10 specimens.

East of the Cascade Mountains, most bees (90%) were caught between April 28 and September 16, but the peak of season (50% of specimens) was from June 02 to August 07.



Figure 8: Phenology plot for all bee species caught east of the Cascade Mountains, sorted by median abundance times. Percentiles of overall emergence times (50th & 90th) are shown in grey shaded regions. Date ranges for each species (minimum, first, second, third quartiles, and maximum) are shown only for species with >10 specimens.

4 Plant genera

Volunteers collected specimens from a total of 636 unique flower genera, with most volunteers sampling from 19 flower genera (median value). The **Flower Power Kudos** (most sampled flower genera) goes to Michael O'Loughlin, Lori Humphreys, and Dan O'Loughlin, who collected bees from a total of 246, 210, and 188 genera of flowers. Well done!

The flower genera that had the most specimens caught on them were *Ericameria*, *Phacelia*, and *Penstemon*, which yielded a total of 6308, 4129, and 3411 specimens. The flower genera that were popular with the most species of bees were *Phacelia*, *Penstemon*, and *Ericameria*, hosting a total of 179, 167, and 140 unique bee species. See Tables 1 and 2 for more details.



Figure 9: Recorded number of flower genera per county.

Table 1: Number of bee specimens collected from each plant genus. Plants with few records are great targets for future sampling.

| Genus | Count | Genus | Count | Genus | Count | Genus | Count | Genus | Count | Genus | Count | Genus | Count | Genus | Count |
|-----------------------|-------|----------------------|-------|-----------------------|-------|-------------------------|-------|-----------------------|-------|-------------------------|-------|------------------------|-------|-----------------------|-------|
| <i>Ericameria</i> | 6308 | <i>Chaenactis</i> | 274 | <i>Rupertia</i> | 65 | <i>Anchusa</i> | 26 | <i>Alyssum</i> | 10 | <i>Apium</i> | 5 | <i>Actaea</i> | 2 | | |
| <i>Phacelia</i> | 4129 | <i>Acer</i> | 271 | <i>Adelphia</i> | 64 | <i>Dichelostemma</i> | 26 | <i>Cercis</i> | 10 | <i>Cistus</i> | 5 | <i>Allophylum</i> | 2 | | |
| <i>Penstemon</i> | 3411 | <i>Sphaeralcea</i> | 271 | <i>Ageratina</i> | 64 | <i>Caryopteris</i> | 25 | <i>Doronicum</i> | 10 | <i>Corylus</i> | 5 | <i>Bauhinia</i> | 2 | | |
| <i>Grindelia</i> | 2796 | <i>Heracleum</i> | 270 | <i>Calyptridium</i> | 64 | <i>Navarretia</i> | 25 | <i>Echinops</i> | 10 | <i>Anthriscus</i> | 4 | <i>Betonica</i> | 2 | | |
| <i>Rubus</i> | 2658 | <i>Gaillardia</i> | 263 | <i>Glebionis</i> | 62 | <i>Pedicularis</i> | 25 | <i>Heliospis</i> | 10 | <i>Aruncus</i> | 4 | <i>Bromus</i> | 2 | | |
| <i>Ceanothus</i> | 2352 | <i>Crataegus</i> | 261 | <i>Crocidium</i> | 62 | <i>Petrosedum</i> | 25 | <i>Hemerocallis</i> | 10 | <i>Asperugo</i> | 4 | <i>Cardionema</i> | 2 | | |
| <i>Cirsium</i> | 2349 | <i>Acmispon</i> | 258 | <i>Agoseris</i> | 60 | <i>Pieris</i> | 25 | <i>Kickxia</i> | 10 | <i>Beta</i> | 4 | <i>Castanea</i> | 2 | | |
| <i>Salix</i> | 2169 | <i>Gilia</i> | 247 | <i>Cotinus</i> | 60 | <i>Erysimum</i> | 24 | <i>Layia</i> | 10 | <i>Crassula</i> | 4 | <i>Celosia</i> | 2 | | |
| <i>Solidago</i> | 1914 | <i>Malus</i> | 243 | <i>Hirschfeldia</i> | 59 | <i>Lewisia</i> | 24 | <i>Liatris</i> | 10 | <i>Damasonium</i> | 4 | <i>Comandra</i> | 2 | | |
| <i>Potentilla</i> | 1842 | <i>Marrubium</i> | 234 | <i>Iliamna</i> | 59 | <i>Lobularia</i> | 24 | <i>Alpicella</i> | 9 | <i>Datura</i> | 4 | <i>Cormus</i> | 2 | | |
| <i>Prunus</i> | 1726 | <i>Vaccinium</i> | 225 | <i>Persicaria</i> | 59 | <i>Rhaponticum</i> | 24 | <i>Choisya</i> | 9 | <i>Elymus</i> | 4 | <i>Crocus</i> | 2 | | |
| <i>Chrysanthemum</i> | 1684 | <i>Veronica</i> | 213 | <i>Arbutus</i> | 57 | <i>Sambucus</i> | 24 | <i>Diplacus</i> | 9 | <i>Gypsophila</i> | 4 | <i>Cydonia</i> | 2 | | |
| <i>Eriogonum</i> | 1588 | <i>Philadelphus</i> | 204 | <i>Foeniculum</i> | 57 | <i>Stewartia</i> | 24 | <i>Draba</i> | 9 | <i>Helleborus</i> | 4 | <i>Danthonia</i> | 2 | | |
| <i>Helianthus</i> | 1563 | <i>Astragalus</i> | 202 | <i>Blepharipappus</i> | 56 | <i>Cardamine</i> | 23 | <i>Fraxinus</i> | 9 | <i>Holcus</i> | 4 | <i>Daphne</i> | 2 | | |
| <i>Lupinus</i> | 1506 | <i>Raphanus</i> | 199 | <i>Dales</i> | 55 | <i>Chamaebatisia</i> | 23 | <i>Lagophylla</i> | 9 | <i>Impatiens</i> | 4 | <i>Dianthus</i> | 2 | | |
| <i>Ribes</i> | 1419 | <i>Amansinica</i> | 197 | <i>Eryngium</i> | 55 | <i>Phlox</i> | 23 | <i>Maianthemum</i> | 9 | <i>Kopsiopsis</i> | 4 | <i>Dipterostemon</i> | 2 | | |
| <i>Sympyotrichum</i> | 1418 | <i>Convolvulus</i> | 194 | <i>Lithospermum</i> | 55 | <i>Robinia</i> | 23 | <i>Melissa</i> | 9 | <i>Mutarda</i> | 4 | <i>Echinocystis</i> | 2 | | |
| <i>Hypochaeris</i> | 1393 | <i>Hydrophyllum</i> | 180 | <i>Mertensia</i> | 55 | <i>Smithiastrum</i> | 23 | <i>Mimulus</i> | 9 | <i>Paeonia</i> | 4 | <i>Eucephalus</i> | 2 | | |
| <i>Arctostaphylos</i> | 1332 | <i>Polemonium</i> | 179 | <i>Sorbis</i> | 54 | <i>Aralia</i> | 22 | <i>Papaver</i> | 9 | <i>Pastinaca</i> | 4 | <i>Festuca</i> | 2 | | |
| <i>Lomatium</i> | 1308 | <i>Taroxia</i> | 179 | <i>Lamium</i> | 53 | <i>Erythronium</i> | 22 | <i>Vernonia</i> | 9 | <i>Prosartes</i> | 4 | <i>Achlys</i> | 1 | | |
| <i>Taraxacum</i> | 1286 | <i>Coreopsis</i> | 178 | <i>Styrax</i> | 53 | <i>Leptospisiphon</i> | 22 | <i>Vitez</i> | 9 | <i>Pseudoeugraphium</i> | 4 | <i>Actinidia</i> | 1 | | |
| <i>Melilotus</i> | 1237 | <i>Iris</i> | 178 | <i>Antennaria</i> | 52 | <i>Pseudotsuga</i> | 22 | <i>Aesculus</i> | 8 | <i>Romanzoffia</i> | 4 | <i>Allotropa</i> | 1 | | |
| <i>Calochortus</i> | 1224 | <i>Amelanchier</i> | 177 | <i>Cynoglossum</i> | 52 | <i>Quercus</i> | 22 | <i>Aronia</i> | 8 | <i>Scabiosa</i> | 4 | <i>Ailurus</i> | 1 | | |
| <i>Eriophyllum</i> | 1198 | <i>Artemisia</i> | 166 | <i>Cytisus</i> | 52 | <i>Artemisia</i> | 21 | <i>Baptisia</i> | 8 | <i>Swinsonia</i> | 4 | <i>Alstroemeria</i> | 1 | | |
| <i>Erigeron</i> | 1173 | <i>Angelica</i> | 158 | <i>Geum</i> | 52 | <i>Comium</i> | 21 | <i>Calandrinia</i> | 8 | <i>Tephrosaris</i> | 4 | <i>Amaranthus</i> | 1 | | |
| <i>Lotus</i> | 1147 | <i>Delphinium</i> | 158 | <i>Ilex</i> | 52 | <i>Eurybia</i> | 21 | <i>Canadanthus</i> | 8 | <i>Tiarella</i> | 4 | <i>Anemone</i> | 1 | | |
| <i>Centaurea</i> | 1106 | <i>Medicago</i> | 158 | <i>Aurinia</i> | 51 | <i>Heuchera</i> | 21 | <i>Cordylanthus</i> | 8 | <i>Tradescantia</i> | 4 | <i>Anethum</i> | 1 | | |
| <i>Trifolium</i> | 1070 | <i>Castilleja</i> | 154 | <i>Bostrychia</i> | 51 | <i>Micranthes</i> | 21 | <i>Eruca</i> | 8 | <i>Triantha</i> | 4 | <i>Arctium</i> | 1 | | |
| <i>Leucanthemum</i> | 989 | <i>Calendula</i> | 142 | <i>Caragana</i> | 51 | <i>Sisyrinchium</i> | 21 | <i>Eupatorium</i> | 8 | <i>Tribulus</i> | 4 | <i>Argemone</i> | 1 | | |
| <i>Vicia</i> | 988 | <i>Nemophila</i> | 142 | <i>Viburnum</i> | 51 | <i>Cicuta</i> | 20 | <i>Ficaria</i> | 8 | <i>Tropaeolum</i> | 4 | <i>Atriplex</i> | 1 | | |
| <i>Chamaenerion</i> | 983 | <i>Tanacetum</i> | 139 | <i>Linum</i> | 50 | <i>Pinus</i> | 20 | <i>Lithodora</i> | 8 | <i>Zeltnera</i> | 4 | <i>Begonia</i> | 1 | | |
| <i>Balsamorhiza</i> | 914 | <i>Marrubium</i> | 138 | <i>Scandix</i> | 50 | <i>Populus</i> | 20 | <i>Nasturtium</i> | 8 | <i>Agopodium</i> | 3 | <i>Betula</i> | 1 | | |
| <i>Lepidium</i> | 862 | <i>Corolla</i> | 135 | <i>Nothochelone</i> | 49 | <i>Bellardia</i> | 19 | <i>Phyllococe</i> | 8 | <i>Armeria</i> | 3 | <i>Cacaliopsis</i> | 1 | | |
| <i>Achillea</i> | 828 | <i>Limnanthes</i> | 133 | <i>Brodiaeae</i> | 48 | <i>Clematis</i> | 19 | <i>Poa</i> | 8 | <i>Asparagus</i> | 3 | <i>Calibrachoa</i> | 1 | | |
| <i>Apocynum</i> | 804 | <i>Verbera</i> | 129 | <i>Cotoneaster</i> | 48 | <i>Hymenoxys</i> | 19 | <i>Spergula</i> | 8 | <i>Astrantia</i> | 3 | <i>Carex</i> | 1 | | |
| <i>Mentha</i> | 786 | <i>Cardus</i> | 123 | <i>Tragopogon</i> | 48 | <i>Ladeania</i> | 19 | <i>Stanleya</i> | 8 | <i>Aucuba</i> | 3 | <i>Catalpa</i> | 1 | | |
| <i>Sidalcea</i> | 767 | <i>Mentzelia</i> | 122 | <i>Tetradymia</i> | 47 | <i>Abelia</i> | 18 | <i>Tagetes</i> | 8 | <i>Brunnera</i> | 3 | <i>Cerithie</i> | 1 | | |
| <i>Ranunculus</i> | 765 | <i>Triteleia</i> | 118 | <i>Teucrium</i> | 47 | <i>Alisma</i> | 18 | <i>Xerophyllum</i> | 8 | <i>Buzus</i> | 3 | <i>Chaenomeles</i> | 1 | | |
| <i>Eschscholzia</i> | 764 | <i>Dasisphora</i> | 114 | <i>Echinacea</i> | 46 | <i>Amorpha</i> | 18 | <i>Jagua</i> | 7 | <i>Calocedrus</i> | 3 | <i>Chamaemelum</i> | 1 | | |
| <i>Holodiscus</i> | 693 | <i>Dipsacus</i> | 112 | <i>Kolkwitzia</i> | 44 | <i>Ligustrum</i> | 19 | <i>Pea</i> | 8 | <i>Asparagus</i> | 3 | <i>Chimaphila</i> | 1 | | |
| <i>Allium</i> | 667 | <i>Hosackia</i> | 111 | <i>Orthocarpus</i> | 44 | <i>Physaria</i> | 18 | <i>Crotalaria</i> | 7 | <i>Astrantia</i> | 3 | <i>Corydalis</i> | 1 | | |
| <i>Bellis</i> | 662 | <i>Lonicera</i> | 110 | <i>Stellaria</i> | 44 | <i>Salsola</i> | 18 | <i>Cymopterus</i> | 7 | <i>Crocosmia</i> | 3 | <i>Cyperidium</i> | 1 | | |
| <i>Plagiobothrys</i> | 656 | <i>Fraseria</i> | 109 | <i>Chrysolenis</i> | 43 | <i>Bassia</i> | 17 | <i>Delosperma</i> | 7 | <i>Centranthidium</i> | 3 | <i>Cypripedium</i> | 1 | | |
| <i>Camassia</i> | 648 | <i>Euthamia</i> | 108 | <i>Petroselinum</i> | 42 | <i>Olsynium</i> | 17 | <i>Eucryphia</i> | 7 | <i>Chrysopsis</i> | 3 | <i>Eremothera</i> | 1 | | |
| <i>Spiraea</i> | 640 | <i>Bistorta</i> | 105 | <i>Aster</i> | 41 | <i>Vancouveria</i> | 17 | <i>Glandora</i> | 7 | <i>Circarea</i> | 3 | <i>Filipendula</i> | 1 | | |
| <i>Geranium</i> | 607 | <i>Dieterica</i> | 105 | <i>Gayophyllum</i> | 41 | <i>Hydrangea</i> | 16 | <i>Gleditsia</i> | 7 | <i>Clinopodium</i> | 3 | <i>Porsythia</i> | 1 | | |
| <i>Symporicarpas</i> | 607 | | | <i>Malva</i> | 105 | <i>Ligusticum</i> | 41 | <i>Kelloegia</i> | 16 | <i>Clintonia</i> | 3 | <i>Fremontodendron</i> | 1 | | |
| <i>Berberis</i> | 592 | <i>Anthemis</i> | 104 | <i>Primula</i> | 41 | <i>Lilium</i> | 16 | <i>Heliotropium</i> | 7 | <i>Conioselinum</i> | 3 | <i>Fuchsia</i> | 1 | | |
| <i>Rosa</i> | 575 | <i>Bidens</i> | 104 | <i>Verbascum</i> | 41 | <i>Phytolacca</i> | 16 | <i>Hysopus</i> | 7 | <i>Crocus</i> | 3 | <i>Glechoma</i> | 1 | | |
| <i>Jacobaea</i> | 555 | <i>Thymus</i> | 103 | <i>Columbiadoria</i> | 40 | <i>Zinnia</i> | 16 | <i>Isatis</i> | 7 | <i>Cucumis</i> | 3 | <i>Gnaphalium</i> | 1 | | |
| <i>Senecio</i> | 533 | <i>Mahonia</i> | 101 | <i>Hieracium</i> | 40 | <i>Kniphofia</i> | 7 | <i>Delosperma</i> | 7 | <i>Dahlia</i> | 3 | <i>Grayia</i> | 1 | | |
| <i>Salvia</i> | 520 | <i>Chondrilla</i> | 99 | <i>Erica</i> | 36 | <i>Pracytima</i> | 14 | <i>Townsendia</i> | 7 | <i>Microsteris</i> | 3 | <i>Helianthemum</i> | 1 | | |
| <i>Rhus</i> | 493 | <i>Oenothera</i> | 97 | <i>Pyrrocoma</i> | 36 | <i>Umbellaria</i> | 14 | <i>Tulipa</i> | 7 | <i>Misopates</i> | 3 | <i>Knautia</i> | 1 | | |
| <i>Agastache</i> | 489 | <i>Stachys</i> | 97 | <i>Toxicoscordion</i> | 40 | <i>Ajuga</i> | 15 | <i>Parthenocissus</i> | 7 | <i>Osmanthus</i> | 3 | <i>Lepidchinia</i> | 1 | | |
| <i>Madia</i> | 484 | <i>Purshia</i> | 95 | <i>Barbarea</i> | 38 | <i>Poeppigia</i> | 15 | <i>Physalis</i> | 7 | <i>Garrya</i> | 3 | <i>Leucocrinum</i> | 1 | | |
| <i>Daucus</i> | 482 | <i>Heterotheca</i> | 94 | <i>Linaria</i> | 38 | <i>Boebera</i> | 14 | <i>Pilosella</i> | 7 | <i>Iva</i> | 3 | <i>Leycesteria</i> | 1 | | |
| <i>Sedum</i> | 457 | <i>Cleomella</i> | 93 | <i>Erica</i> | 36 | <i>Hylotelephium</i> | 13 | <i>Sanguisorba</i> | 7 | <i>Lippia</i> | 3 | <i>Limonium</i> | 1 | | |
| <i>Clarkia</i> | 451 | <i>Cucurbita</i> | 93 | <i>Lithophragma</i> | 36 | <i>Townsendia</i> | 7 | <i>Kniphofia</i> | 7 | <i>Microseris</i> | 3 | <i>Linnaea</i> | 1 | | |
| <i>Hackelia</i> | 436 | <i>Pyrus</i> | 93 | <i>Borage</i> | 35 | <i>Umbellaria</i> | 14 | <i>Tulipa</i> | 7 | <i>Microseris</i> | 3 | <i>Ludwigia</i> | 1 | | |
| <i>Syzygium</i> | 430 | <i>Polygonum</i> | 91 | <i>Microseris</i> | 35 | <i>Galanthus</i> | 13 | <i>Antirrhinum</i> | 6 | <i>Silbum</i> | 3 | <i>Olea</i> | 3 | <i>Lunaria</i> | 1 |
| <i>Brassica</i> | 423 | <i>Plantago</i> | 89 | <i>Oreocarya</i> | 35 | <i>Cerastium</i> | 13 | <i>Gentiana</i> | 6 | <i>Osmanthus</i> | 3 | <i>Lycoptis</i> | 1 | <i>Lycopersicon</i> | 1 |
| <i>Drymocallis</i> | 421 | <i>Thermopsis</i> | 89 | <i>Cercocarpus</i> | 34 | <i>Ceratostigma</i> | 13 | <i>Hastingsia</i> | 6 | <i>Pedicularis</i> | 3 | <i>Magnolia</i> | 1 | <i>Machaeranthera</i> | 1 |
| <i>Asclepias</i> | 411 | <i>Heuchera</i> | 88 | <i>Opuntia</i> | 34 | <i>Pentaglottis</i> | 13 | <i>Caltha</i> | 6 | <i>Petasites</i> | 3 | <i>Melaleuca</i> | 1 | <i>Phoenicaulis</i> | 1 |
| <i>Claytonia</i> | 403 | <i>Perideridia</i> | 86 | <i>Pyrrocoma</i> | 34 | <i>Capsella</i> | 13 | <i>Phoenicaulis</i> | 3 | <i>Phytostegia</i> | 3 | <i>Moenchia</i> | 1 | <i>Oenothera</i> | 1 |
| <i>Physocarpus</i> | 403 | <i>Doellingeria</i> | 84 | <i>Calyptegia</i> | 33 | <i>Nothocalais</i> | 13 | <i>Kniphofia</i> | 7 | <i>Microseris</i> | 3 | <i>Mycelis</i> | 1 | <i>Valerianella</i> | 1 |
| <i>Anaphalis</i> | 401 | <i>Fagopyrum</i> | 81 | <i>Agapanthus</i> | 32 | <i>Notholithocarpus</i> | 13 | <i>Gentiana</i> | 6 | <i>Osmanthus</i> | 3 | <i>Nicotiana</i> | 1 | <i>Nuphar</i> | 1 |
| <i>Prunella</i> | 401 | <i>Trichostema</i> | 80 | <i>Campanula</i> | 32 | <i>Pentaglottis</i> | 13 | <i>Hastingsia</i> | 6 | <i>Podosorus</i> | 3 | <i>Polygonatum</i> | 1 | <i>Parnassia</i> | 1 |
| <i>Fragaria</i> | 394 | <i>Myosotis</i> | 79 | <i>Chorispora</i> | 32 | <i>Platnertha</i> | 13 | <i>Hemizonia</i> | 6 | <i>Lychnis</i> | 2 | <i>Petasites</i> | 3 | <i>Saxifrage</i> | 1 |
| <i>Plectritis</i> | 381 | <i>Thlaspi</i> | 79 | <i>Collomia</i> | 32 | <i>Ipomoea</i> | 13 | <i>Hyacinthoides</i> | 6 | <i>Moehringia</i> | 2 | <i>Pedicularis</i> | 1 | <i>Streptanthus</i> | 1 |
| <i>Nepea</i> | 376 | <i>Cosmos</i> | 78 | <i>Lasthenia</i> | 32 | <i>Sancium</i> | 13 | <i>Hibiscus</i> | 6 | <i>Phoenicium</i> | 2 | <i>Pheidium</i> | 1 | <i>Saxifrage</i> | 1 |
| <i>Lavandula</i> | 372 | <i>Hesperochiron</i> | 78 | <i>Satureja</i> | 32 | <i>Ivesia</i> | 13 | <i>Jesuita</i> | 6 | <i>Polygonatum</i> | 2 | <i>Polygonatum</i> | 1 | <i>Santolina</i> | 1 |
| <i>Horkelia</i> | 352 | <i>Solanum</i> | 78 | <i>Eremogone</i> | 31 | <i>Luettkea</i> | 11 | <i>Ligularia</i> | 2 | <i>Polygonatum</i> | 2 | <i>Osteospermum</i> | 1 | <i>Saponaria</i> | 1 |
| <i>Lathyrus</i> | 347 | <i>Oreostemma</i> | 77 | <i>Escallonia</i> | 31 | <i>Elaeagnus</i> | 12 | <i>Pteridium</i> | 5 | <i>Rumex</i> | 2 | <i>Sempervivum</i> | 1 | <i>Oxythea</i> | 1 |
| <i>Wyethia</i> | 341 | <i>Syringa</i> | 77 | <i>Hyacinthodes</i> | 31 | <i>Veronicastrum</i> | 6 | <i>Rheum</i> | 6 | <i>Saussurea</i> | 2 | <i>Saxifrage</i> | 1 | <i>Parnassia</i> | 1 |
| <i>Monardella</i> | 339 | <i>Downingia</i> | 76 | <i>Scrophularia</i> | 31 | <i>Coriandrum</i> | 12 | <i>Calthula</i> | 6 | <i>Skimmia</i> | 2 | <i>Streptanthus</i> | | | |

Table 2: Number of bee species collected from each plant genus

| Genus | Count | Genus | Count | Genus | Count | Genus | Count | Genus | Count | Genus | Count | Genus | Count | Genus | Count | Genus | Count |
|-----------------------|-------|---------------------|-------|-----------------------|-------|---------------------|-------|-------------------------|-------|-----------------------|-------|------------------------|-------|----------------------|-------|-------|-------|
| <i>Phacelia</i> | 179 | <i>Fragaria</i> | 41 | <i>Aster</i> | 19 | <i>Coriandrum</i> | 10 | <i>Alyssum</i> | 5 | <i>Aliciella</i> | 3 | <i>Achlys</i> | 1 | | | | |
| <i>Penstemon</i> | 167 | <i>Triteleia</i> | 41 | <i>Boyninia</i> | 19 | <i>Cynara</i> | 10 | <i>Baptisia</i> | 5 | <i>Anthriscus</i> | 3 | <i>Actinidia</i> | 1 | | | | |
| <i>Ericameria</i> | 140 | <i>Angelica</i> | 40 | <i>Digitalis</i> | 19 | <i>Dicentra</i> | 10 | <i>Canadanthus</i> | 5 | <i>Armeria</i> | 3 | <i>Allotropa</i> | 1 | | | | |
| <i>Grindelia</i> | 133 | <i>Bellis</i> | 40 | <i>Alcea</i> | 18 | <i>Hymenoxys</i> | 10 | <i>Croton</i> | 5 | <i>Asparagus</i> | 3 | <i>Alnus</i> | 1 | | | | |
| <i>Rubus</i> | 129 | <i>Collinsia</i> | 40 | <i>Antennaria</i> | 18 | <i>Lythrum</i> | 10 | <i>Delosperma</i> | 5 | <i>Astrantia</i> | 3 | <i>Alstroemeria</i> | 1 | | | | |
| <i>Cirsium</i> | 126 | <i>Marrubium</i> | 40 | <i>Arbutus</i> | 18 | <i>Orthocarpus</i> | 10 | <i>Diplacus</i> | 5 | <i>Bassia</i> | 3 | <i>Amaranthus</i> | 1 | | | | |
| <i>Eriophyllum</i> | 123 | <i>Onopordum</i> | 40 | <i>Caragana</i> | 18 | <i>Primula</i> | 10 | <i>Galanthus</i> | 5 | <i>Boechera</i> | 3 | <i>Anemone</i> | 1 | | | | |
| <i>Erigeron</i> | 120 | <i>Lonicera</i> | 39 | <i>Cosmos</i> | 18 | <i>Caluna</i> | 9 | <i>Glandora</i> | 5 | <i>Brunnera</i> | 3 | <i>Anethum</i> | 1 | | | | |
| <i>Potentilla</i> | 120 | <i>Cryptantha</i> | 38 | <i>Hesperochiron</i> | 18 | <i>Erythronium</i> | 9 | <i>Heliotropium</i> | 5 | <i>Capsella</i> | 3 | <i>Arctium</i> | 1 | | | | |
| <i>Sympotrichum</i> | 119 | <i>Heracleum</i> | 38 | <i>Hieracium</i> | 18 | <i>Euonymus</i> | 9 | <i>Isatis</i> | 5 | <i>Centromadia</i> | 3 | <i>Argemone</i> | 1 | | | | |
| <i>Solidago</i> | 117 | <i>Raphanus</i> | 38 | <i>Lactuca</i> | 18 | <i>Hydrangea</i> | 9 | <i>Kalmia</i> | 5 | <i>Chrysopsis</i> | 3 | <i>Atriplex</i> | 1 | | | | |
| <i>Ceanothus</i> | 115 | <i>Diasiphora</i> | 37 | <i>Lamium</i> | 18 | <i>Leptosiphon</i> | 9 | <i>Leucophysalis</i> | 5 | <i>Cirsaea</i> | 3 | <i>Aucuba</i> | 1 | | | | |
| <i>Melilotus</i> | 113 | <i>Medicago</i> | 37 | <i>Lasthenia</i> | 18 | <i>Narcissus</i> | 9 | <i>Matricaria</i> | 5 | <i>Clinopodium</i> | 3 | <i>Begonia</i> | 1 | | | | |
| <i>Lupinus</i> | 109 | <i>Antheraea</i> | 36 | <i>Ligusticum</i> | 18 | <i>Oreocarya</i> | 9 | <i>Notholithocarpus</i> | 5 | <i>Conioselinum</i> | 3 | <i>Betonica</i> | 1 | | | | |
| <i>Trifolium</i> | 109 | <i>Crataegus</i> | 35 | <i>Plantago</i> | 18 | <i>Petrosedum</i> | 9 | <i>Pilosella</i> | 5 | <i>Crassula</i> | 3 | <i>Betula</i> | 1 | | | | |
| <i>Eriogonum</i> | 108 | <i>Tanacetum</i> | 35 | <i>Adelinia</i> | 17 | <i>Platanthera</i> | 9 | <i>Rheum</i> | 5 | <i>Cucumis</i> | 3 | <i>Buxus</i> | 1 | | | | |
| <i>Salix</i> | 105 | <i>Claytonia</i> | 34 | <i>Columbiadoria</i> | 17 | <i>Salsola</i> | 9 | <i>Sambucus</i> | 5 | <i>Cymopterus</i> | 3 | <i>Calochortis</i> | 1 | | | | |
| <i>Chrysanthmus</i> | 102 | <i>Eriodictyon</i> | 34 | <i>Cotoneaster</i> | 17 | <i>Scrophularia</i> | 9 | <i>Syphymum</i> | 5 | <i>Dahlia</i> | 3 | <i>Calibrachoa</i> | 1 | | | | |
| <i>Calochortus</i> | 100 | <i>Hydrophyllum</i> | 34 | <i>Downingia</i> | 17 | <i>Aconitum</i> | 8 | <i>Townsendia</i> | 5 | <i>Datura</i> | 3 | <i>Calocedrus</i> | 1 | | | | |
| <i>Chamaenerion</i> | 98 | <i>Castilleja</i> | 33 | <i>Foeniculum</i> | 17 | <i>Aronia</i> | 8 | <i>Abronia</i> | 4 | <i>Deutzia</i> | 3 | <i>Carex</i> | 1 | | | | |
| <i>Achillea</i> | 97 | <i>Corrus</i> | 33 | <i>Hirschfeldia</i> | 17 | <i>Bellardia</i> | 8 | <i>Aesculus</i> | 4 | <i>Echinops</i> | 3 | <i>Catalpa</i> | 1 | | | | |
| <i>Centaurea</i> | 96 | <i>Descurainia</i> | 33 | <i>Linaris</i> | 17 | <i>Cakile</i> | 8 | <i>Ajuga</i> | 4 | <i>Eriastrum</i> | 3 | <i>Cerinthe</i> | 1 | | | | |
| <i>Senecio</i> | 96 | <i>Oenothera</i> | 33 | <i>Linum</i> | 17 | <i>Cardamine</i> | 8 | <i>Aruncus</i> | 4 | <i>Frazinius</i> | 3 | <i>Chamaemeles</i> | 1 | | | | |
| <i>Ribes</i> | 95 | <i>Rhus</i> | 33 | <i>Persicaria</i> | 17 | <i>Cercis</i> | 8 | <i>Asperugo</i> | 4 | <i>Fritillaria</i> | 3 | <i>Chamaemelum</i> | 1 | | | | |
| <i>Rosa</i> | 90 | <i>Amelanchier</i> | 32 | <i>Viburnum</i> | 17 | <i>Chorispora</i> | 8 | <i>Calandrinia</i> | 4 | <i>Galium</i> | 3 | <i>Chimaphila</i> | 1 | | | | |
| <i>Geranium</i> | 85 | <i>Dipsacus</i> | 32 | <i>Dichelostemma</i> | 16 | <i>Cuscuta</i> | 8 | <i>Choisyia</i> | 4 | <i>Gleditsia</i> | 3 | <i>Clindonia</i> | 1 | | | | |
| <i>Leucanthemum</i> | 84 | <i>Marath</i> | 32 | <i>Kolkwitzia</i> | 16 | <i>Elaeagnus</i> | 8 | <i>Cistus</i> | 4 | <i>Actaea</i> | 2 | <i>Cormus</i> | 1 | | | | |
| <i>Prunus</i> | 84 | <i>Oreasterma</i> | 32 | <i>Lapsana</i> | 16 | <i>Escallonia</i> | 8 | <i>Cordylanthus</i> | 4 | <i>Aegopodium</i> | 2 | <i>Corydalis</i> | 1 | | | | |
| <i>Helianthus</i> | 83 | <i>Sphaeralcea</i> | 32 | <i>Leontodon</i> | 16 | <i>Hemizonella</i> | 8 | <i>Damasonium</i> | 4 | <i>Allophyllum</i> | 2 | <i>Corylus</i> | 1 | | | | |
| <i>Vicia</i> | 83 | <i>Coropis</i> | 31 | <i>Mertensia</i> | 16 | <i>Jasmea</i> | 8 | <i>Distichlis</i> | 4 | <i>Apium</i> | 2 | <i>Cypripedium</i> | 1 | | | | |
| <i>Allium</i> | 82 | <i>Delphinium</i> | 31 | <i>Nothochelone</i> | 16 | <i>Lobularia</i> | 8 | <i>Draba</i> | 4 | <i>Arum</i> | 2 | <i>Elymus</i> | 1 | | | | |
| <i>Camassia</i> | 81 | <i>Philadelphus</i> | 31 | <i>Stephanomeria</i> | 16 | <i>Pieris</i> | 8 | <i>Eruga</i> | 4 | <i>Bauhinia</i> | 2 | <i>Eremothera</i> | 1 | | | | |
| <i>Spiraea</i> | 81 | <i>Thymus</i> | 31 | <i>Styrax</i> | 16 | <i>Robinia</i> | 8 | <i>Humeralis</i> | 4 | <i>Beta</i> | 2 | <i>Fagus</i> | 1 | | | | |
| <i>Sidalcea</i> | 80 | <i>Vaccinium</i> | 31 | <i>Blepharipappus</i> | 15 | <i>Torella</i> | 8 | <i>Hesperis</i> | 4 | <i>Bromus</i> | 2 | <i>Filipendula</i> | 1 | | | | |
| <i>Arctostaphylos</i> | 79 | <i>Acer</i> | 30 | <i>Crocidium</i> | 15 | <i>Weigela</i> | 8 | <i>Hibiscus</i> | 4 | <i>Camellia</i> | 2 | <i>Forsythia</i> | 1 | | | | |
| <i>Taraxacum</i> | 79 | <i>Carduus</i> | 30 | <i>Echinacea</i> | 15 | <i>Zinnia</i> | 8 | <i>Hylotelephium</i> | 4 | <i>Cardionema</i> | 2 | <i>Fremontodendron</i> | 1 | | | | |
| <i>Plagiobothrys</i> | 78 | <i>Fraseria</i> | 30 | <i>Ilex</i> | 15 | <i>Abelia</i> | 7 | <i>Lagstroemia</i> | 4 | <i>Castanea</i> | 2 | <i>Fuchsia</i> | 1 | | | | |
| <i>Salvia</i> | 77 | <i>Amsinckia</i> | 29 | <i>Microseris</i> | 15 | <i>Agapanthus</i> | 7 | <i>Lagerstroemia</i> | 4 | <i>Celosia</i> | 2 | <i>Glechoma</i> | 1 | | | | |
| <i>Hypochaeris</i> | 76 | <i>Ilama</i> | 29 | <i>Pyrrhocoma</i> | 15 | <i>Amorpha</i> | 7 | <i>Layia</i> | 4 | <i>Centranthus</i> | 2 | <i>Gnaphalium</i> | 1 | | | | |
| <i>Lotus</i> | 75 | <i>Menzelia</i> | 29 | <i>Trichostema</i> | 15 | <i>Aralia</i> | 7 | <i>Nasturtium</i> | 4 | <i>Daphne</i> | 2 | <i>Knautia</i> | 1 | | | | |
| <i>Balsamorhiza</i> | 74 | <i>Nemophila</i> | 29 | <i>Borago</i> | 14 | <i>Pentaglottis</i> | 7 | <i>Ochnia</i> | 4 | <i>Comandra</i> | 2 | <i>Grayia</i> | 1 | | | | |
| <i>Symporicarpus</i> | 74 | <i>Polemonium</i> | 29 | <i>Colomia</i> | 14 | <i>Ipomopsis</i> | 7 | <i>Ozalis</i> | 4 | <i>Dipterostemon</i> | 2 | <i>Leucocrinum</i> | 1 | | | | |
| <i>Lomatium</i> | 72 | <i>Mahonia</i> | 28 | <i>Erysimum</i> | 14 | <i>Conium</i> | 7 | <i>Mimulus</i> | 4 | <i>Crocosmia</i> | 2 | <i>Holcus</i> | 1 | | | | |
| <i>Anaphalis</i> | 71 | <i>Viola</i> | 28 | <i>Sonchus</i> | 14 | <i>Cotinus</i> | 7 | <i>Pastinaca</i> | 4 | <i>Echinocystis</i> | 2 | <i>Leycesteria</i> | 1 | | | | |
| <i>Erythranthe</i> | 70 | <i>Myosotis</i> | 27 | <i>Stellaria</i> | 14 | <i>Doronicum</i> | 7 | <i>Photinia</i> | 4 | <i>Eucephalus</i> | 2 | <i>Limonium</i> | 1 | | | | |
| <i>Agastache</i> | 69 | <i>Purshia</i> | 27 | <i>Tragopogon</i> | 14 | <i>Narthecium</i> | 4 | <i>Phyllodoce</i> | 4 | <i>Eucryphia</i> | 2 | <i>Linnaea</i> | 1 | | | | |
| <i>Apocynum</i> | 68 | <i>Bistorta</i> | 26 | <i>Artemisia</i> | 13 | <i>Ficaria</i> | 7 | <i>Phytolacca</i> | 4 | <i>Pestuca</i> | 2 | <i>Ludwigia</i> | 1 | | | | |
| <i>Nepeta</i> | 68 | <i>Fagopyrum</i> | 26 | <i>Campanula</i> | 13 | <i>Pentaglottis</i> | 7 | <i>Helleborus</i> | 3 | <i>Ligustrum</i> | 2 | <i>Lychnis</i> | 1 | | | | |
| <i>Asclepias</i> | 67 | <i>Packera</i> | 26 | <i>Cercocarpus</i> | 13 | <i>Sinapis</i> | 7 | <i>Pinus</i> | 4 | <i>Gratiola</i> | 2 | <i>Lycopis</i> | 1 | | | | |
| <i>Mentha</i> | 65 | <i>Solanum</i> | 26 | <i>Chrysolepis</i> | 13 | <i>Thithonia</i> | 4 | <i>Potinus</i> | 4 | <i>Pterocaulis</i> | 2 | <i>Mycelis</i> | 1 | | | | |
| <i>Ranunculus</i> | 65 | <i>Verbena</i> | 26 | <i>Guttiphytum</i> | 13 | <i>Pedicularis</i> | 7 | <i>Physalis</i> | 4 | <i>Pestuca</i> | 2 | <i>Nicotiana</i> | 1 | | | | |
| <i>Wyethia</i> | 65 | <i>Whipplea</i> | 26 | <i>Helianthella</i> | 13 | <i>Pentaglottis</i> | 7 | <i>Helleborus</i> | 3 | <i>Olea</i> | 2 | <i>Osmanthus</i> | 1 | | | | |
| <i>Sisymbrium</i> | 64 | <i>Acismus</i> | 25 | <i>Oemleria</i> | 13 | <i>Ipomopsis</i> | 7 | <i>Pinus</i> | 4 | <i>Ostrya</i> | 2 | <i>Osteospermum</i> | 1 | | | | |
| <i>Clarkia</i> | 62 | <i>Dalea</i> | 25 | <i>Phlox</i> | 13 | <i>Populus</i> | 7 | <i>Quercus</i> | 4 | <i>Parthenocissus</i> | 2 | <i>Polygonatum</i> | 1 | | | | |
| <i>Drymocallis</i> | 62 | <i>Doellingeria</i> | 25 | <i>Satureja</i> | 13 | <i>Sabalina</i> | 7 | <i>Romanzoffia</i> | 4 | <i>Patrinia</i> | 2 | <i>Scabiosa</i> | 2 | | | | |
| <i>Eschscholzia</i> | 61 | <i>Erodium</i> | 25 | <i>Sisyrinchium</i> | 13 | <i>Scandix</i> | 7 | <i>Romanzoffia</i> | 4 | <i>Pelargonium</i> | 2 | <i>Melaleuca</i> | 1 | | | | |
| <i>Gilia</i> | 61 | <i>Monarda</i> | 25 | <i>Anchusa</i> | 12 | <i>Scutellaria</i> | 7 | <i>Swainsona</i> | 4 | <i>Pedioicus</i> | 2 | <i>Moenchia</i> | 1 | | | | |
| <i>Jacobaea</i> | 61 | <i>Polygonum</i> | 25 | <i>Argentina</i> | 12 | <i>Cathla</i> | 6 | <i>Hemizonia</i> | 3 | <i>Ligularia</i> | 2 | <i>Mycelis</i> | 1 | | | | |
| <i>Plectritis</i> | 61 | <i>Syringa</i> | 25 | <i>Baccharis</i> | 12 | <i>Impatiens</i> | 3 | <i>Minuartia</i> | 3 | <i>Phoenicaulis</i> | 2 | <i>Nicotiana</i> | 1 | | | | |
| <i>Hackelia</i> | 59 | <i>Calendula</i> | 24 | <i>Barbara</i> | 12 | <i>Cicuta</i> | 6 | <i>Physalis</i> | 3 | <i>Physostegia</i> | 2 | <i>Polygonatum</i> | 1 | | | | |
| <i>Rudbeckia</i> | 59 | <i>Cucurbita</i> | 24 | <i>Caryopteris</i> | 12 | <i>Antirrhinum</i> | 6 | <i>Prenanthes</i> | 3 | <i>Portulaca</i> | 2 | <i>Rhamnus</i> | 1 | | | | |
| <i>Sedum</i> | 59 | <i>Aquilegia</i> | 23 | <i>Chondrilla</i> | 12 | <i>Gentiana</i> | 6 | <i>Gypsophila</i> | 3 | <i>Peltigera</i> | 2 | <i>Sarcobatus</i> | 1 | | | | |
| <i>Thelypodium</i> | 58 | <i>Calyptridium</i> | 23 | <i>Erica</i> | 12 | <i>Aurinia</i> | 6 | <i>Hedera</i> | 3 | <i>Pelargonium</i> | 2 | <i>Scorzonera</i> | 1 | | | | |
| <i>Brassica</i> | 55 | <i>Cleomella</i> | 23 | <i>Eryngium</i> | 12 | <i>Buddleja</i> | 6 | <i>Lippia</i> | 3 | <i>Petunia</i> | 2 | <i>Phedimus</i> | 1 | | | | |
| <i>Helениum</i> | 53 | <i>Cytisus</i> | 23 | <i>Eurybia</i> | 12 | <i>Hedysarum</i> | 6 | <i>Minuartia</i> | 3 | <i>Phoenicaulis</i> | 2 | <i>Platycodon</i> | 1 | | | | |
| <i>Holodiscus</i> | 53 | <i>Hosackia</i> | 23 | <i>Heterotheca</i> | 12 | <i>Centaurium</i> | 6 | <i>Polygonatum</i> | 2 | <i>Physostegia</i> | 2 | <i>Pleiacanthus</i> | 1 | | | | |
| <i>Horkelia</i> | 53 | <i>Malva</i> | 23 | <i>Lithophragma</i> | 12 | <i>Sanguisorba</i> | 6 | <i>Sanicula</i> | 3 | <i>Picea</i> | 2 | <i>Polystichum</i> | 1 | | | | |
| <i>Monardella</i> | 53 | <i>Ageratina</i> | 22 | <i>Limnanthes</i> | 20 | <i>Ladeania</i> | 11 | <i>Scorzonera</i> | 6 | <i>Pulmonaria</i> | 2 | <i>Saponaria</i> | 1 | | | | |
| <i>Lepidium</i> | 52 | <i>Agoseris</i> | 22 | <i>Opuntia</i> | 12 | <i>Lithodora</i> | 6 | <i>Securigera</i> | 3 | <i>Saxifrage</i> | 2 | <i>Skimmia</i> | 1 | | | | |
| <i>Crepis</i> | 51 | <i>Brodiaea</i> | 22 | <i>Rupertia</i> | 12 | <i>Maianthemum</i> | 6 | <i>Smelowskia</i> | 3 | <i>Tiararella</i> | 2 | <i>Stewartia</i> | 1 | | | | |
| <i>Lavandula</i> | 51 | <i>Dicteria</i> | 22 | <i>Spergularia</i> | 11 | <i>Petasites</i> | 6 | <i>Silene</i> | 6 | <i>Tolmiea</i> | 2 | <i>Stokesia</i> | 1 | | | | |
| <i>Berberis</i> | 50 | <i>Perideridia</i> | 22 | <i>Teucrium</i> | 12 | <i>Petaiaria</i> | 11 | <i>Xerophyllum</i> | 6 | <i>Tephrosiera</i> | 3 | <i>Tordis</i> | 2 | <i>Streptanthus</i> | 1 | | |
| <i>Chaenactis</i> | 50 | <i>Stachys</i> | 22 | <i>Valeriana</i> | 12 | <i>Liatris</i> | 6 | <i>Umbellularia</i> | 3 | <i>Tritoxa</i> | 3 | <i>Triodanis</i> | 2 | <i>Styphnolobium</i> | 1 | | |

5 County records

Table 3: Number of bee specimens from each county, by genus. You may want to focus your sampling in under-sampled counties.

| | Baker | Benton | Clackamas | Columbia | Coos | Crook | Curry | Dodgeches | Douglas | Gilliam | Grant | Harney | Hood River | Jackson | Jefferson | Klamath | Lake | Linn | Malheur | M Marion | M Morrow | M Multnomah | F Polk | S Sherman | T Tillamook | U Umatilla | W Wallowa | W Wasco | W Washington | W Wheeler | Y Yamhill | TOTAL | | | | | | |
|-----------------------|-------|--------|-----------|----------|------|-------|-------|-----------|---------|---------|-------|--------|------------|---------|-----------|---------|------|------|---------|----------|----------|-------------|--------|-----------|-------------|------------|-----------|---------|--------------|-----------|-----------|-------|-----|------|-----|-----|-------|-----|
| <i>Agapostemon</i> | 26 | 65 | 47 | 1 | 66 | 1 | 53 | 3 | 126 | 6 | 10 | 77 | 363 | 3 | 65 | 21 | 40 | 31 | 3 | 176 | 67 | 19 | 41 | 10 | 18 | 1 | 72 | 28 | 20 | 26 | 92 | 74 | 87 | 2045 | | | | |
| <i>Andrena</i> | 162 | 672 | 343 | 23 | 335 | 3 | 345 | 91 | 853 | 28 | 60 | 140 | 435 | 111 | 715 | 314 | 849 | 774 | 517 | 668 | 126 | 100 | 205 | 470 | 30 | 222 | 155 | 213 | 14 | 138 | 168 | 205 | 586 | 732 | 301 | 849 | 11952 | |
| <i>Anthidiellum</i> | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 13 | 3 | 0 | 7 | 7 | 0 | 11 | 3 | 28 | 26 | 48 | 16 | 1 | 1 | 0 | 5 | 0 | 0 | 1 | 0 | 0 | 6 | 8 | 2 | 5 | 0 | 219 | | |
| <i>Anthidium</i> | 12 | 30 | 32 | 2 | 29 | 20 | 39 | 7 | 85 | 7 | 1 | 69 | 65 | 36 | 66 | 39 | 79 | 47 | 55 | 56 | 53 | 15 | 16 | 51 | 1 | 19 | 5 | 1 | 8 | 11 | 6 | 25 | 35 | 120 | 17 | 41 | 1200 | |
| <i>Anthophora</i> | 38 | 6 | 9 | 1 | 7 | 3 | 125 | 24 | 527 | 18 | 32 | 88 | 351 | 19 | 205 | 55 | 107 | 183 | 410 | 56 | 1 | 14 | 232 | 15 | 20 | 0 | 0 | 20 | 0 | 19 | 29 | 92 | 57 | 33 | 90 | 11 | 2897 | |
| <i>Anthophorula</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | |
| <i>Apis</i> | 1 | 77 | 42 | 16 | 9 | 5 | 5 | 36 | 30 | 49 | 1 | 4 | 1 | 79 | 34 | 3 | 58 | 58 | 5 | 23 | 29 | 37 | 15 | 73 | 0 | 99 | 26 | 17 | 4 | 34 | 8 | 2 | 127 | 103 | 6 | 181 | 1297 | |
| <i>Ashmeadiella</i> | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 44 | 1 | 132 | 7 | 2 | 33 | 182 | 33 | 63 | 28 | 44 | 53 | 70 | 16 | 0 | 38 | 30 | 0 | 3 | 0 | 0 | 11 | 0 | 5 | 3 | 16 | 9 | 2 | 19 | 1 | 885 |
| <i>Atoposmia</i> | 17 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 4 | 0 | 23 | 34 | 7 | 131 | 7 | 9 | 35 | 8 | 28 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 15 | 2 | 25 | 0 | 0 | 2 | 0 | 360 |
| <i>Biastes</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 13 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | |
| <i>Bombus</i> | 266 | 571 | 401 | 217 | 382 | 66 | 284 | 486 | 813 | 277 | 17 | 437 | 886 | 561 | 738 | 291 | 283 | 1438 | 416 | 1370 | 681 | 549 | 150 | 651 | 31 | 547 | 90 | 56 | 266 | 258 | 238 | 356 | 279 | 925 | 176 | 659 | 16112 | |
| <i>Brachymelecta</i> | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 5 | 58 | 2 | 0 | 25 | 23 | 2 | 98 | 0 | 26 | 37 | 112 | 9 | 0 | 1 | 14 | 4 | 1 | 0 | 0 | 0 | 3 | 1 | 1 | 0 | 1 | 7 | 0 | 446 | |
| <i>Callopis</i> | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 20 | 32 | 0 | 0 | 34 | 11 | 1 | 7 | 46 | 63 | 34 | 0 | 0 | 0 | 0 | 1 | 0 | 18 | 0 | 3 | 0 | 1 | 0 | 3 | 0 | 288 | | | |
| <i>Ceratina</i> | 21 | 492 | 137 | 6 | 170 | 5 | 89 | 18 | 212 | 149 | 2 | 55 | 48 | 152 | 311 | 47 | 475 | 115 | 77 | 722 | 76 | 36 | 7 | 355 | 3 | 271 | 296 | 29 | 9 | 42 | 30 | 26 | 71 | 604 | 55 | 836 | 6049 | |
| <i>Chelostoma</i> | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 113 | 3 | 0 | 16 | 12 | 0 | 14 | 2 | 4 | 17 | 9 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 2 | 5 | 9 | 0 | 1 | 0 | 254 |
| <i>Coelioxys</i> | 22 | 4 | 2 | 2 | 8 | 0 | 9 | 1 | 44 | 2 | 3 | 11 | 44 | 9 | 18 | 5 | 16 | 17 | 25 | 14 | 12 | 8 | 20 | 15 | 4 | 0 | 2 | 0 | 0 | 2 | 8 | 4 | 2 | 3 | 4 | 3 | 343 | |
| <i>Colletes</i> | 49 | 13 | 1 | 1 | 2 | 6 | 164 | 28 | 828 | 8 | 69 | 89 | 206 | 40 | 120 | 74 | 49 | 37 | 269 | 63 | 81 | 21 | 126 | 8 | 30 | 0 | 1 | 114 | 29 | 26 | 10 | 48 | 185 | 15 | 61 | 6 | 2877 | |
| <i>Diadasia</i> | 107 | 1 | 0 | 0 | 0 | 0 | 8 | 1 | 19 | 14 | 0 | 31 | 63 | 3 | 25 | 0 | 46 | 44 | 7 | 0 | 0 | 1 | 246 | 1 | 0 | 0 | 0 | 11 | 0 | 1 | 12 | 9 | 0 | 1 | 42 | 2 | 695 | |
| <i>Dianthidium</i> | 50 | 2 | 1 | 0 | 0 | 0 | 0 | 79 | 7 | 76 | 5 | 0 | 31 | 79 | 3 | 110 | 12 | 115 | 50 | 72 | 13 | 1 | 3 | 71 | 0 | 4 | 0 | 1 | 0 | 1 | 10 | 1 | 15 | 10 | 0 | 19 | 1 | 841 |
| <i>Dioctrys</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | | |
| <i>Dufourea</i> | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 3 | 0 | 9 | 46 | 121 | 65 | 15 | 35 | 26 | 3 | 29 | 0 | 11 | 0 | 5 | 0 | 0 | 0 | 0 | 4 | 9 | 3 | 3 | 0 | 0 | 20 | 1 | 460 |
| <i>Epactolus</i> | 4 | 1 | 0 | 1 | 0 | 8 | 1 | 1 | 19 | 0 | 3 | 3 | 12 | 0 | 17 | 2 | 10 | 4 | 6 | 8 | 5 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 4 | 3 | 1 | 2 | 0 | 1 | 3 | 2 | 0 | 126 |
| <i>Eucera</i> | 32 | 57 | 21 | 0 | 3 | 1 | 25 | 2 | 65 | 0 | 16 | 22 | 44 | 21 | 39 | 23 | 73 | 44 | 22 | 54 | 3 | 4 | 60 | 23 | 2 | 6 | 33 | 60 | 1 | 33 | 33 | 34 | 252 | 48 | 57 | 110 | 1323 | |
| <i>Halopropoda</i> | 9 | 1 | 1 | 0 | 0 | 8 | 6 | 6 | 104 | 5 | 1 | 19 | 6 | 52 | 1 | 34 | 31 | 27 | 51 | 38 | 0 | 21 | 0 | 0 | 0 | 1 | 6 | 38 | 0 | 1 | 4 | 101 | 0 | 3 | 0 | 576 | | |
| <i>Holcitis</i> | 340 | 689 | 289 | 26 | 328 | 20 | 302 | 99 | 444 | 89 | 18 | 174 | 315 | 554 | 559 | 132 | 905 | 703 | 357 | 488 | 281 | 115 | 344 | 687 | 67 | 205 | 191 | 77 | 44 | 256 | 273 | 225 | 544 | 912 | 407 | 999 | 12458 | |
| <i>Heriades</i> | 4 | 16 | 6 | 0 | 16 | 0 | 6 | 2 | 119 | 14 | 0 | 4 | 1 | 24 | 19 | 28 | 49 | 66 | 5 | 21 | 7 | 3 | 0 | 39 | 8 | 23 | 2 | 1 | 0 | 8 | 2 | 2 | 0 | 55 | 2 | 13 | 565 | |
| <i>Hesperiapis</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | | |
| <i>Holcopastes</i> | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | | |
| <i>Hoplitis</i> | 52 | 14 | 9 | 1 | 6 | 0 | 35 | 3 | 100 | 11 | 3 | 95 | 214 | 65 | 86 | 150 | 222 | 49 | 73 | 51 | 3 | 37 | 22 | 49 | 5 | 5 | 6 | 35 | 1 | 20 | 33 | 74 | 40 | 59 | 21 | 10 | 1659 | |
| <i>Hyaleoicus</i> | 92 | 80 | 50 | 4 | 40 | 2 | 66 | 43 | 427 | 19 | 9 | 69 | 209 | 46 | 230 | 107 | 338 | 217 | 275 | 176 | 26 | 19 | 18 | 114 | 40 | 34 | 74 | 141 | 7 | 40 | 34 | 68 | 151 | 170 | 77 | 111 | 3623 | |
| <i>Lasioglossum</i> | 319 | 955 | 340 | 67 | 302 | 26 | 607 | 95 | 945 | 118 | 52 | 297 | 678 | 197 | 724 | 258 | 965 | 704 | 555 | 736 | 698 | 157 | 438 | 646 | 53 | 234 | 329 | 268 | 161 | 199 | 191 | 282 | 514 | 1079 | 620 | 901 | 15710 | |
| <i>Megachile</i> | 133 | 153 | 65 | 15 | 122 | 5 | 80 | 44 | 558 | 121 | 90 | 138 | 240 | 183 | 327 | 97 | 214 | 456 | 215 | 251 | 109 | 132 | 162 | 206 | 37 | 40 | 16 | 104 | 13 | 131 | 36 | 60 | 113 | 277 | 67 | 41 | 5051 | |
| <i>Mellecta</i> | 0 | 0 | 0 | 1 | 0 | 0 | 7 | 0 | 10 | 0 | 0 | 10 | 9 | 0 | 1 | 6 | 16 | 5 | 17 | 1 | 0 | 0 | 5 | 0 | 0 | 0 | 2 | 0 | 3 | 5 | 9 | 18 | 1 | 9 | 1 | 136 | | |
| <i>Mesolioides</i> | 116 | 293 | 78 | 4 | 107 | 9 | 161 | 41 | 477 | 51 | 53 | 70 | 223 | 30 | 197 | 20 | 101 | 212 | 207 | 166 | 93 | 30 | 328 | 303 | 16 | 105 | 24 | 153 | 9 | 35 | 39 | 24 | 110 | 496 | 78 | 265 | 4724 | |
| <i>Micralictoides</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | | |
| <i>Neolarria</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | | |
| <i>Nomada</i> | 22 | 209 | 70 | 1 | 69 | 2 | 104 | 19 | 447 | 5 | 5 | 80 | 48 | 26 | 108 | 80 | 211 | 121 | 60 | 193 | 28 | 26 | 37 | 55 | 4 | 52 | 53 | 31 | 3 | 29 | 40 | 51 | 138 | 153 | 44 | 217 | 2841 | |
| <i>Normia</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | | |
| <i>Oreopasites</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | | |
| <i>Osmia</i> | 351 | 266 | 222 | 9 | 91 | 3 | 387 | 94 | 989 | 89 | 26 | 707 | 676 | 581 | 1054 | 656 | 1103 | 684 | 742 | 651 | 46 | 206 | 131 | 385 | 35 | 125 | 148 | 148 | 19 | 154 | 303 | 533 | 922 | 406 | 207 | 309 | 13458 | |
| <i>Panurginus</i> | 18 | 42 | 60 | 3 | 6 | 0 | 35 | 15 | 1 | 7 | 65 | 6 | 38 | 104 | 15</ | | | | | | | | | | | | | | | | | | | | | | | |

Table 4: Number of bee specimens from each county, by species

Table 4: Number of bee specimens from each county, by species (continued)

| | Baker | Benton | Clackamas | Columbia | Cross | Crook | Douglas | Grant | Harney | Hood River | Jackson | Jefferson | Josephine | Klamath | Lake | Lane | Linn | Marble | Mari | Morrow | Multnomah | Polk | Sherman | Tillamook | Umatilla | Union | Wasco | Washington | Wheeler | Yamhill | TOTAL | | | | | | |
|---------------------------------|-------|--------|-----------|----------|-------|-------|---------|-------|--------|------------|---------|-----------|-----------|---------|------|------|------|--------|------|--------|-----------|------|---------|-----------|----------|-------|-------|------------|---------|---------|-------|-----|-----|-----|------|------|------|
| <i>Anthophora affabilis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| <i>Anthophora albata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| <i>Anthophora bomboides</i> | 5 | 0 | 3 | 0 | 1 | 0 | 1 | 3 | 1 | 0 | 0 | 4 | 3 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | | | | | | | |
| <i>Anthophora californica</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| <i>Anthophora cratichii</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | | |
| <i>Anthophora curta</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | | | | | | | |
| <i>Anthophora edwardsii</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | | | | | | |
| <i>Anthophora exigua</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | | | | | | | |
| <i>Anthophora maculifrons</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | | | | | | | |
| <i>Anthophora pacifica</i> | 10 | 2 | 0 | 0 | 0 | 0 | 9 | 0 | 11 | 0 | 0 | 4 | 3 | 0 | 0 | 2 | 20 | 6 | 37 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 12 | 2 | 9 | 0 | 135 | | | | | |
| <i>Anthophora peritoma</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | | |
| <i>Anthophora porterae</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | | | | | | | |
| <i>Anthophora terminalis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 0 | 2 | 7 | 9 | 11 | 0 | 0 | 5 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | | | | | | | |
| <i>Anthophora urbana</i> | 7 | 1 | 1 | 0 | 0 | 0 | 36 | 3 | 199 | 7 | 18 | 34 | 114 | 1 | 139 | 14 | 45 | 66 | 205 | 33 | 0 | 10 | 131 | 9 | 6 | 0 | 0 | 2 | 0 | 4 | 0 | 1 | 28 | 1 | 1119 | | |
| <i>Anthophora urrina</i> | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 2 | 0 | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 35 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 8 | 6 | 0 | 0 | 0 | 65 | | | | |
| <i>Anthophorula chionura</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | | | | | | | |
| <i>Apis mellifera</i> | 1 | 77 | 42 | 16 | 9 | 5 | 5 | 36 | 30 | 49 | 1 | 4 | 1 | 79 | 34 | 3 | 58 | 58 | 5 | 23 | 29 | 37 | 15 | 73 | 0 | 99 | 26 | 17 | 4 | 34 | 8 | 2 | 127 | 103 | 6 | 181 | 1297 |
| <i>Ashmeadiella atladiene</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | | | | | | | |
| <i>Ashmeadiella buconis</i> | 6 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 6 | 0 | 0 | 7 | 11 | 0 | 0 | 0 | 1 | 4 | 13 | 0 | 0 | 1 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 77 | | | | | |
| <i>Ashmeadiella cactorum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | | | | | | | |
| <i>Ashmeadiella californica</i> | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 2 | 0 | 6 | 23 | 15 | 13 | 1 | 4 | 2 | 8 | 2 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 103 | | | | | |
| <i>Ashmeadiella cubiceps</i> | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 3 | 8 | 5 | 6 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | | | | | | | |
| <i>Ashmeadiella difigita</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | | | | | | | |
| <i>Ashmeadiella foreata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | | |
| <i>Ashmeadiella foxiella</i> | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 1 | 3 | 0 | 1 | 0 | 0 | 4 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | | | | | | | |
| <i>Ashmeadiella propoides</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | | | | | | | |
| <i>Ashmeadiella timberlakei</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 4 | 4 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 26 | | | | | | | |
| <i>Atoposmia obiecta</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 17 | | | | |
| <i>Atoposmia anthodysa</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | | | | | | | |
| <i>Atoposmia copelandica</i> | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 13 | 6 | 0 | 0 | 5 | 5 | 2 | 3 | 6 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 64 | | | | | | |
| <i>Atoposmia elongata</i> | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62 | | | | | | | |
| <i>Atoposmia oregonia</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | | | | | | | |
| <i>Atoposmia tridonta</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | | | | | | | |
| <i>Biastes fulviventris</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | | |
| <i>Bombus appositus</i> | 8 | 6 | 2 | 0 | 1 | 0 | 0 | 0 | 2 | 4 | 0 | 1 | 13 | 16 | 6 | 0 | 0 | 3 | 8 | 4 | 1 | 6 | 0 | 27 | 0 | 2 | 1 | 0 | 0 | 7 | 2 | 153 | | | | | |
| <i>Bombus caliginosus</i> | 0 | 28 | 3 | 21 | 12 | 14 | 0 | 37 | 2 | 34 | 0 | 0 | 0 | 1 | 8 | 2 | 3 | 10 | 0 | 139 | 94 | 3 | 0 | 19 | 0 | 32 | 14 | 0 | 61 | 0 | 0 | 35 | 0 | 57 | 629 | | |
| <i>Bombus centralis</i> | 56 | 0 | 0 | 0 | 0 | 0 | 63 | 0 | 40 | 0 | 6 | 67 | 141 | 0 | 0 | 7 | 0 | 37 | 65 | 0 | 0 | 0 | 13 | 0 | 6 | 0 | 0 | 14 | 0 | 44 | 34 | 46 | 11 | 1 | 55 | 0 | 706 |
| <i>Bombus fervidus</i> | 18 | 60 | 5 | 26 | 34 | 1 | 24 | 6 | 14 | 8 | 2 | 18 | 147 | 25 | 3 | 5 | 12 | 14 | 30 | 77 | 65 | 16 | 24 | 79 | 2 | 7 | 4 | 1 | 8 | 20 | 9 | 16 | 23 | 103 | 23 | 95 | 1024 |
| <i>Bombus flavifrons</i> | 6 | 32 | 1 | 2 | 0 | 0 | 0 | 8 | 4 | 3 | 0 | 10 | 1 | 27 | 40 | 1 | 8 | 35 | 4 | 78 | 11 | 42 | 0 | 13 | 1 | 0 | 1 | 0 | 10 | 4 | 6 | 8 | 1 | 12 | 0 | 3 | 372 |
| <i>Bombus flavidus</i> | 4 | 51 | 88 | 18 | 81 | 1 | 4 | 0 | 3 | 12 | 0 | 19 | 13 | 59 | 35 | 2 | 8 | 49 | 14 | 198 | 21 | 78 | 0 | 15 | 1 | 150 | 9 | 0 | 8 | 50 | 45 | 3 | 91 | 0 | 25 | 1163 | |
| <i>Bombus griseocollis</i> | 36 | 20 | 2 | 0 | 9 | 0 | 3 | 0 | 38 | 0 | 6 | 10 | 6 | 1 | 5 | 27 | 2 | 5 | 4 | 7 | 0 | 1 | 30 | 72 | 1 | 1 | 2 | 24 | 0 | 41 | 5 | 12 | 27 | 21 | 19 | 27 | 464 |
| <i>Bombus hawaiiensis</i> | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 128 | 0 | 1 | 27 | 196 | 0 | 1 | 16 | 2 | 24 | 45 | 0 | 0 | 63 | 1 | 3 | 0 | 1 | 4 | 0 | 17 | 16 | 4 | 4 | 0 | 3 | 631 | |
| <i>Bombus impatiens</i> | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | | |
| <i>Bombus insularis</i> | 18 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 6 | 20 | 8 | 49 | 0 | 3 | 72 | 22 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 0 | 0 | 0 | 229 | | | | |
| <i>Bombus melanopygus</i> | 0 | 77 | 50 | 13 | 25 | 15 | 3 | 73 | 21 | 6 | 0 | 12 | 29 | 26 | 17 | 160 | 0 | 74 | 47 | 25 | 0 | 41 | 0 | 75 | 2 | 0 | 9 | 0 | 1 | 3 | 2 | 56 | 0 | 15 | 877 | | |
| <i>Bombus mixtus</i> | 10 | 118 | 98 | 87 | 95 | 7 | 4 | 51 | 15 | 26 | 0 | 14 | 3 | 82 | 99 | 41 | 101 | 58 | 2 | 308 | 182 | 69 | 1 | 111 | 4 | 114 | 20 | 0 | 82 | 11 | 19 | 46 | 2 | 215 | 9 | 129 | 2233 |
| <i>Bombus morrisoni</i> | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 29 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | | | | | | |
| <i>Bombus nevadensis</i> | 6 | 1 | 2 | 0 | 2 | 0 | 8 | 0 | 12 | 0 | 0 | 2 | 17 | 1 | 4 | 5 | 0 | 1 | 1 | 0 | 0 | 0 | 5 | 3 | 1 | 0 | 0 | 4 | 0 | 21 | 10 | 10 | 10 | 8 | 3 | 147 | |
| <i>Bombus occidentalis</i> | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 0 | 2 | 4 | 3 | 1 | 1 | 0 | 10 | 8 | 2 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 0 | 0 | 72 | | |
| <i>Bombus rufocinctus</i> | 0 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Table 4: Number of bee specimens from each county, by species (*continued*)

Table 4: Number of bee specimens from each county, by species (continued)

| | Baker | Benton | Clackamas | Columbia | Cross | Crook | Curry | Douglas | Gilliam | Grant | Hood River | Jackson | Jefferson | Josephine | Klamath | Lane | Linn | Marble | Marion | Multnomah | Polk | Sherman | Tillamook | Umatilla | Union | Wasco | Washington | Wheeler | Yamhill | TOTAL | | | | | | | |
|--------------------------------|-------|--------|-----------|----------|-------|-------|-------|---------|---------|-------|------------|---------|-----------|-----------|---------|------|------|--------|--------|-----------|------|---------|-----------|----------|-------|-------|------------|---------|---------|-------|-----|-----|-----|-----|-----|-----|------|
| <i>Eucera edwardsii</i> | 6 | 5 | 3 | 0 | 0 | 0 | 2 | 0 | 7 | 0 | 0 | 6 | 4 | 1 | 1 | 2 | 0 | 6 | 9 | 0 | 4 | 16 | 2 | 0 | 16 | 1 | 3 | 4 | 5 | 30 | 151 | | | | | | |
| <i>Eucera frater</i> | 3 | 16 | 0 | 0 | 3 | 1 | 4 | 0 | 1 | 0 | 0 | 2 | 0 | 8 | 10 | 5 | 1 | 8 | 30 | 0 | 1 | 0 | 4 | 0 | 0 | 3 | 0 | 1 | 6 | 5 | 22 | 200 | | | | | |
| <i>Eucera fulvitorsis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | | | | | | |
| <i>Eucera hirdi</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | |
| <i>Eucera lunata</i> | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 23 | | | | | | |
| <i>Eucera virgata</i> | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 24 | | | | | | |
| <i>Habopoda cineraria</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | | | | | | |
| <i>Habopoda dammersi</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 3 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78 | | | | | | |
| <i>Habopoda depressa</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 12 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | | | | | | |
| <i>Habopoda miserabilis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | | | | | | |
| <i>Habropoda tristissima</i> | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | | | | | | |
| <i>Halictus confusus</i> | 2 | 25 | 36 | 3 | 39 | 0 | 11 | 10 | 4 | 8 | 0 | 3 | 13 | 4 | 42 | 3 | 13 | 14 | 5 | 18 | 22 | 14 | 0 | 25 | 0 | 27 | 0 | 6 | 8 | 4 | 4 | 0 | 86 | 1 | 40 | 535 | |
| <i>Halictus farinosus</i> | 13 | 69 | 2 | 0 | 2 | 4 | 24 | 29 | 29 | 30 | 3 | 32 | 38 | 38 | 45 | 57 | 90 | 124 | 159 | 78 | 1 | 3 | 14 | 90 | 8 | 3 | 15 | 4 | 1 | 78 | 4 | 29 | 53 | 50 | 22 | 73 | 1314 |
| <i>Halictus ligatus</i> | 221 | 306 | 116 | 4 | 91 | 5 | 94 | 0 | 99 | 21 | 7 | 59 | 105 | 19 | 185 | 15 | 474 | 324 | 18 | 148 | 73 | 10 | 227 | 367 | 41 | 58 | 63 | 34 | 12 | 72 | 105 | 60 | 176 | 340 | 202 | 395 | 4546 |
| <i>Halictus rubicundus</i> | 7 | 73 | 22 | 14 | 37 | 3 | 12 | 25 | 22 | 3 | 0 | 6 | 18 | 2 | 68 | 7 | 55 | 21 | 13 | 96 | 93 | 16 | 13 | 50 | 2 | 22 | 27 | 5 | 20 | 17 | 10 | 23 | 10 | 109 | 11 | 64 | 996 |
| <i>Halictus tripartitus</i> | 89 | 169 | 81 | 2 | 97 | 5 | 151 | 28 | 272 | 13 | 2 | 64 | 124 | 65 | 174 | 45 | 254 | 84 | 152 | 102 | 1 | 66 | 70 | 134 | 14 | 30 | 51 | 19 | 0 | 44 | 98 | 89 | 188 | 234 | 154 | 363 | 3528 |
| <i>Halictus virgatulus</i> | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 411 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 420 | | |
| <i>Heriades carinata</i> | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 55 | | | | | | |
| <i>Heriades carinatus</i> | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 15 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 70 | | | | | | |
| <i>Heriades cressoni</i> | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 25 | 4 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | | | | | | |
| <i>Heriades variolosus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | | | | | | |
| <i>Heriades carinatus</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | | | | | | |
| <i>Holcopasites pulchellus</i> | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | | | | | | |
| <i>Hoplitis albifrons</i> | 5 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 1 | 3 | 0 | 8 | 2 | 3 | 11 | 4 | 12 | 8 | 14 | 3 | 0 | 0 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 90 | | | | |
| <i>Hoplitis boharti</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | | | | | |
| <i>Hoplitis emarginata</i> | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 0 | 0 | 0 | 9 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | | | | | |
| <i>Hoplitis fulgidula</i> | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 7 | 2 | 1 | 10 | 47 | 0 | 8 | 6 | 23 | 3 | 20 | 4 | 0 | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 152 | | | |
| <i>Hoplitis grinnelli</i> | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 0 | 2 | 1 | 4 | 2 | 0 | 5 | 0 | 0 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 51 | | | | | |
| <i>Hoplitis hypocrita</i> | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 14 | 0 | 0 | 3 | 6 | 0 | 2 | 6 | 5 | 0 | 2 | 2 | 0 | 10 | 6 | 0 | 0 | 2 | 2 | 0 | 1 | 1 | 2 | 80 | | | | |
| <i>Hoplitis louiseae</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 2 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | | | | | |
| <i>Hoplitis orthognatha</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | | | | | |
| <i>Hoplitis plagiostoma</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | | | | |
| <i>Hoplitis producta</i> | 1 | 7 | 1 | 0 | 1 | 0 | 2 | 1 | 2 | 0 | 0 | 2 | 3 | 2 | 2 | 8 | 9 | 1 | 2 | 2 | 0 | 8 | 1 | 18 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 2 | 90 |
| <i>Hoplitis rematula</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | | | | | |
| <i>Hoplitis sambuci</i> | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 1 | 2 | 0 | 1 | 3 | 0 | 11 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | | | | | |
| <i>Hoplitis uvulalis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | | | | | |
| <i>Hoplitis viridimicans</i> | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | | | | | |
| <i>Hylaeus Mesillae</i> | 11 | 1 | 0 | 0 | 3 | 0 | 1 | 0 | 15 | 1 | 0 | 0 | 10 | 0 | 3 | 2 | 6 | 0 | 12 | 0 | 0 | 0 | 4 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 10 | 6 | 92 | | | |
| <i>Hylaeus basalis</i> | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6 | 0 | 3 | 0 | 3 | 0 | 0 | 6 | 7 | 6 | 18 | 10 | 3 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 67 | | | |
| <i>Hylaeus mesillae</i> | 14 | 9 | 0 | 0 | 7 | 1 | 1 | 0 | 50 | 0 | 0 | 4 | 27 | 2 | 9 | 5 | 16 | 35 | 1 | 6 | 1 | 0 | 6 | 25 | 0 | 7 | 13 | 5 | 0 | 11 | 2 | 0 | 0 | 13 | 14 | 24 | 308 |
| <i>Hylaeus nunenmacheri</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | | | | | |
| <i>Hylaeus albipennis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | | | | | |
| <i>Lasioglossum albipenne</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | | | | | |
| <i>Lasioglossum albohirtum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 42 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 6 | 9 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 116 | | | | | |
| <i>Lasioglossum allonotus</i> | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 17 | 0 | 31 | 0 | 0 | 6 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 6 | 85 | | | |
| <i>Lasioglossum anhydops</i> | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 49 | 0 | 0 | 6 | 10 | 3 | 11 | 7 | 5 | 8 | 10 | 12 | 0 | 3 | 2 | 0 | 0 | 0 | 4 | 2 | 2 | 0 | 0 | 143 | | | | | |
| <i>Lasioglossum argemonis</i> | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 6 | 1 | 1 | 0 | 0 | 0 | 13 | 2 | 20 | 12 | 1 | 13 | 3 | 3 | 0 | 5 | 0 | 0 | 2 | 2 | 0 | 0 | 7 | 4 | 121 | | | |
| <i>Lasioglossum aspidurum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 5 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 | | | | | |
| <i>Lasioglossum boreale</i> | 2 | 0 | 1 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Table 4: Number of bee specimens from each county, by species (continued)

| | Baker | Benton | Clackamas | Columbia | Crook | Curry | Douglas | Gilliam | Grant | Harney | Hood River | Jackson | Josephine | Klamath | Lake | Lane | Linn | Malheur | Marion | Mitlnomah | Morrow | Polk | Sherman | Umatilla | Union | Wallowa | Wasco | Washington | Wheeler | Yamhill | TOTAL | | | | | | |
|-------------------------------------|-------|--------|-----------|----------|-------|-------|---------|---------|-------|--------|------------|---------|-----------|---------|------|------|------|---------|--------|-----------|--------|------|---------|----------|-------|---------|-------|------------|---------|---------|-------|----|-----|-----|-----|------|-----|
| <i>Lasioglossum macoupinense</i> | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 2 | 0 | 0 | 1 | 3 | 2 | 14 | | | | | | | |
| <i>Lasioglossum macroprosopum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | | | | | | | |
| <i>Lasioglossum marinense</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 9 | | | | | | | |
| <i>Lasioglossum megastictum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | | | | | | |
| <i>Lasioglossum melleps</i> | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 2 | 0 | 0 | 0 | 15 | 1 | 13 | 16 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 2 | 69 | | | | | | | |
| <i>Lasioglossum neudense</i> | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 28 | 0 | 0 | 5 | 2 | 0 | 2 | 0 | 5 | 1 | 2 | 0 | 0 | 0 | 12 | 0 | 3 | 1 | 1 | 7 | 10 | 1 | 0 | 89 | | | | | | |
| <i>Lasioglossum nigrum</i> | 0 | 1 | 1 | 0 | 3 | 0 | 2 | 8 | 6 | 0 | 1 | 4 | 3 | 16 | 3 | 6 | 5 | 6 | 14 | 1 | 8 | 0 | 4 | 0 | 0 | 0 | 2 | 1 | 7 | 0 | 4 | 0 | 4 | 112 | | | |
| <i>Lasioglossum novascotiae</i> | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | | | | | | | |
| <i>Lasioglossum occultum</i> | 0 | 15 | 13 | 0 | 5 | 6 | 0 | 4 | 10 | 0 | 0 | 0 | 0 | 1 | 8 | 2 | 3 | 8 | 1 | 17 | 14 | 3 | 0 | 14 | 0 | 4 | 5 | 0 | 10 | 0 | 0 | 5 | 25 | 0 | 60 | 233 | |
| <i>Lasioglossum olympiae</i> | 0 | 208 | 37 | 1 | 10 | 0 | 7 | 1 | 0 | 9 | 0 | 3 | 0 | 7 | 64 | 6 | 5 | 45 | 31 | 59 | 6 | 15 | 0 | 66 | 0 | 6 | 59 | 0 | 3 | 25 | 3 | 28 | 95 | 0 | 108 | 907 | |
| <i>Lasioglossum orthocarpii</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | | | | | | |
| <i>Lasioglossum ovaliceps</i> | 2 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 12 | 0 | 0 | 1 | 3 | 3 | 7 | 2 | 5 | 2 | 11 | 0 | 0 | 1 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 6 | 1 | 1 | 2 | 1 | 70 | | |
| <i>Lasioglossum pacatum</i> | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 16 | | | |
| <i>Lasioglossum pacificum</i> | 0 | 13 | 17 | 0 | 6 | 1 | 0 | 4 | 0 | 1 | 0 | 0 | 3 | 3 | 0 | 7 | 2 | 0 | 23 | 28 | 0 | 0 | 19 | 0 | 5 | 1 | 0 | 5 | 0 | 1 | 0 | 0 | 7 | 28 | 0 | 16 | 189 |
| <i>Lasioglossum pavonatum</i> | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 8 | 0 | 7 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 15 | 44 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95 | | |
| <i>Lasioglossum prasinogaster</i> | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | | | |
| <i>Lasioglossum pruinosum</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 10 | 5 | 1 | 0 | 0 | 8 | 0 | 4 | 0 | 0 | 5 | 0 | 3 | 0 | 46 | |
| <i>Lasioglossum pulveris</i> | 14 | 0 | 0 | 0 | 0 | 0 | 40 | 79 | 0 | 7 | 35 | 81 | 0 | 2 | 24 | 1 | 6 | 14 | 1 | 0 | 0 | 58 | 1 | 4 | 0 | 0 | 50 | 0 | 17 | 11 | 10 | 25 | 2 | 151 | 1 | 634 | |
| <i>Lasioglossum punctatoventre</i> | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 18 | | |
| <i>Lasioglossum quebecense</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 18 | | | | |
| <i>Lasioglossum robustum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 10 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | | | |
| <i>Lasioglossum rufulosum</i> | 3 | 14 | 5 | 0 | 6 | 0 | 4 | 3 | 7 | 2 | 0 | 3 | 19 | 1 | 17 | 3 | 34 | 8 | 5 | 31 | 2 | 6 | 0 | 10 | 1 | 5 | 28 | 0 | 1 | 2 | 2 | 0 | 2 | 11 | 11 | 47 | 293 |
| <i>Lasioglossum sandhouseiellum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 0 | 1 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 22 | | |
| <i>Lasioglossum sedi</i> | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 5 | 0 | 10 | |
| <i>Lasioglossum sequoiarum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | | |
| <i>Lasioglossum sisymbrii</i> | 19 | 8 | 9 | 0 | 4 | 0 | 12 | 0 | 33 | 0 | 0 | 10 | 40 | 6 | 11 | 30 | 5 | 7 | 24 | 22 | 1 | 2 | 36 | 26 | 2 | 3 | 10 | 0 | 7 | 9 | 18 | 9 | 27 | 3 | 35 | 428 | |
| <i>Lasioglossum tefilariforme</i> | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 14 | | |
| <i>Lasioglossum tenaz</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | | |
| <i>Lasioglossum testaceum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | |
| <i>Lasioglossum timberlakei</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | |
| <i>Lasioglossum titusii</i> | 1 | 251 | 64 | 8 | 31 | 0 | 12 | 4 | 1 | 0 | 33 | 26 | 0 | 44 | 0 | 64 | 65 | 15 | 58 | 20 | 6 | 12 | 191 | 5 | 4 | 56 | 1 | 2 | 1 | 15 | 11 | 8 | 206 | 8 | 101 | 1325 | |
| <i>Lasioglossum trizyonatum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 3 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 3 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | |
| <i>Lasioglossum tuolumnense</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | | |
| <i>Lasioglossum villosulum</i> | 0 | 60 | 40 | 18 | 45 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 605 | |
| <i>Lasioglossum yukonum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | |
| <i>Lasioglossum zephyrus</i> | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | | |
| <i>Lasioglossum zonulum</i> | 0 | 9 | 6 | 10 | 14 | 2 | 0 | 5 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 18 | 37 | 0 | 0 | 8 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 137 | |
| <i>Megachile addenda</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | |
| <i>Megachile angelarus</i> | 0 | 51 | 9 | 0 | 6 | 0 | 14 | 0 | 53 | 1 | 3 | 3 | 1 | 9 | 10 | 2 | 10 | 17 | 6 | 22 | 0 | 15 | 0 | 31 | 2 | 15 | 1 | 2 | 0 | 4 | 0 | 0 | 0 | 24 | 6 | 4 | 321 |
| <i>Megachile angroia</i> | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | | |
| <i>Megachile apicalis</i> | 5 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 10 | 1 | 5 | 1 | 2 | 5 | 16 | 11 | 3 | 4 | 0 | 5 | 0 | 0 | 3 | 0 | 13 | 0 | 1 | 0 | 0 | 35 | 0 | 0 | 0 | 1 | 9 | 1 | 133 |
| <i>Megachile brevis</i> | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | | |
| <i>Megachile centuncularis</i> | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | |
| <i>Megachile cleomis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | |
| <i>Megachile coquilletti</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | |
| <i>Megachile fidelis</i> | 0 | 6 | 0 | 0 | 1 | 0 | 4 | 2 | 0 | 6 | 0 | 1 | 3 | 4 | 20 | 0 | 11 | 16 | 8 | 17 | 1 | 5 | 0 | 15 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 126 |
| <i>Megach</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Table 4: Number of bee specimens from each county, by species (continued)

| | Baker | Benton | Clatskanie | Columbia | Cross | Crook | Douglas | Douglas | Grant | Harney | Hood River | Jackson | Jefferson | Josephine | Klamath | Lake | Lane | Linn | Malheur | Mariion | Morrow | Multnomah | Polk | Sherman | Tillamook | Umatilla | Union | Wasco | Washington | Wheeler | Yamhill | TOTAL | | | | | | |
|-----------------------------------|-------|--------|------------|----------|-------|-------|---------|---------|-------|--------|------------|---------|-----------|-----------|---------|------|------|------|---------|---------|--------|-----------|------|---------|-----------|----------|-------|-------|------------|---------|---------|-------|----|-----|-----|-----|---|-----|
| <i>Melecta separata</i> | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 35 | | | | | | |
| <i>Melecta thoracica</i> | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | | | | | | |
| <i>Melissodes agilis</i> | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | | | | | | |
| <i>Melissodes bimacris</i> | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 8 | 1 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | | | | | | |
| <i>Melissodes clarkiae</i> | 0 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | | | | | | |
| <i>Melissodes communis</i> | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | | | | | | |
| <i>Melissodes dagosus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | | | | | | |
| <i>Melissodes lupinus</i> | 1 | 115 | 8 | 0 | 1 | 0 | 3 | 3 | 2 | 0 | 0 | 2 | 3 | 0 | 2 | 0 | 3 | 13 | 8 | 45 | 2 | 6 | 2 | 152 | 2 | 0 | 8 | 0 | 0 | 0 | 1 | 2 | 72 | 5 | 42 | 503 | | |
| <i>Melissodes lustrus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | |
| <i>Melissodes metenus</i> | 2 | 7 | 1 | 0 | 0 | 0 | 25 | 3 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 2 | 0 | 0 | 3 | 2 | 13 | 2 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 3 | 87 | | | |
| <i>Melissodes microstictus</i> | 2 | 8 | 1 | 0 | 9 | 0 | 15 | 4 | 29 | 8 | 0 | 21 | 3 | 5 | 25 | 0 | 33 | 3 | 3 | 5 | 6 | 5 | 0 | 10 | 0 | 6 | 0 | 0 | 4 | 0 | 0 | 0 | 5 | 0 | 11 | 221 | | |
| <i>Melissodes pallidostigatus</i> | 0 | 12 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | | | | | |
| <i>Melissodes rivalis</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 10 | 0 | 4 | 1 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 7 | 4 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 39 | | | | |
| <i>Melissodes robustior</i> | 0 | 8 | 0 | 0 | 3 | 0 | 0 | 0 | 17 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 9 | 0 | 0 | 0 | 19 | 2 | 14 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 21 | 0 | 1 | 101 |
| <i>Melissodes semipinus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | | | | | |
| <i>Microctenoides ruficrus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | | |
| <i>Neocarra vigilans</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | |
| <i>Nomia melanander</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | | | | | |
| <i>Osmia agrilata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | | | | |
| <i>Osmia albilateralis</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | | | | | |
| <i>Osmia atriventris</i> | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | |
| <i>Osmia atrocyanina</i> | 7 | 3 | 0 | 0 | 1 | 0 | 3 | 0 | 1 | 0 | 1 | 4 | 4 | 4 | 0 | 9 | 5 | 8 | 2 | 0 | 6 | 0 | 1 | 0 | 10 | 0 | 0 | 1 | 0 | 3 | 1 | 2 | 0 | 7 | 87 | | | |
| <i>Osmia bakeri</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | | | | | |
| <i>Osmia bella</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | | | | | |
| <i>Osmia brevis</i> | 33 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 5 | 0 | 0 | 18 | 5 | 0 | 9 | 8 | 9 | 4 | 3 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 5 | 6 | 0 | 0 | 1 | 113 | | | | |
| <i>Osmia bruneri</i> | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 10 | 0 | 1 | 17 | 22 | 0 | 11 | 3 | 7 | 0 | 17 | 0 | 0 | 0 | 4 | 0 | 3 | 0 | 4 | 3 | 0 | 5 | 0 | 119 | | | | | | |
| <i>Osmia buechala</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | | | | | |
| <i>Osmia caeruleocephala</i> | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | |
| <i>Osmia californica</i> | 1 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 1 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | | | | | |
| <i>Osmia calla</i> | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 15 | 0 | 0 | 26 | 17 | 0 | 5 | 2 | 0 | 4 | 14 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 96 | | | | |
| <i>Osmia carinata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | | | | | |
| <i>Osmia carolina</i> | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | | | | | |
| <i>Osmia cobaltina</i> | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | | | | | |
| <i>Osmia coloradensis</i> | 1 | 0 | 0 | 0 | 1 | 0 | 5 | 0 | 1 | 0 | 0 | 4 | 0 | 0 | 4 | 1 | 9 | 1 | 5 | 1 | 0 | 1 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 45 | | | |
| <i>Osmia cornifrons</i> | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 26 | | | | | |
| <i>Osmia cyanella</i> | 15 | 3 | 0 | 0 | 0 | 0 | 9 | 1 | 4 | 2 | 0 | 3 | 0 | 0 | 8 | 5 | 10 | 1 | 0 | 5 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 382 | | |
| <i>Osmia densa</i> | 7 | 1 | 1 | 0 | 0 | 0 | 12 | 1 | 7 | 4 | 0 | 8 | 2 | 2 | 2 | 16 | 7 | 90 | 3 | 8 | 3 | 0 | 4 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 202 | | | |
| <i>Osmia dolorosa</i> | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | | | | | |
| <i>Osmia edtnae</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | | | |
| <i>Osmia enixa</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | | | | | |
| <i>Osmia exigua</i> | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 5 | 0 | 0 | 3 | 4 | 4 | 4 | 7 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 44 | | | |
| <i>Osmia gabrieli</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | | | |
| <i>Osmia gaudiosa</i> | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | | | | |
| <i>Osmia gitarrum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | |
| <i>Osmia glauca</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | | | | | |
| <i>Osmia integrata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | | | | | |
| <i>Osmia inurbana</i> | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | | | | |
| <i>Osmia juxta</i> | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 8 | 5 | 7 | 5 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 39 | | | | |
| <i>Osmia kincadei</i> | 5 | 0 | 0 | 0</td | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Table 4: Number of bee specimens from each county, by species (continued)

| | Baker | Benton | Clackamas | Columbia | Crook | Curry | Douglas | Gilliam | Grant | Harney | Hood River | Jackson | Josephine | Klamath | Lane | Linn | Malheur | Marion | Morrow | Multnomah | Polk | Sherman | Tillamook | Umatilla | Union | Wallowa | Wasco | Washington | Wheeler | Yamhill | TOTAL | | | | | | |
|----------------------------------|-------|--------|-----------|----------|-------|-------|---------|---------|-------|--------|------------|---------|-----------|---------|------|------|---------|--------|--------|-----------|------|---------|-----------|----------|-------|---------|-------|------------|---------|---------|-------|-----|------|------|------|------|-------|
| <i>Osmia rostrata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | | |
| <i>Osmia sananofae</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | | |
| <i>Osmia similima</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | | | | | | |
| <i>Osmia sladeni</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | |
| <i>Osmia tanneri</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | |
| <i>Osmia tersula</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | |
| <i>Osmia texana</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | |
| <i>Osmia tristella</i> | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | | | | | | |
| <i>Osmia vandykei</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | | | | | | |
| <i>Osmia visenda</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | |
| <i>Peponapis pruinosa</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | | | | | | |
| <i>Perdita albipennis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | | | | | | |
| <i>Perdita nevadensis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | |
| <i>Protosmia rubifloris</i> | 0 | 17 | 23 | 0 | 19 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 11 | 155 | 2 | 169 | 10 | 2 | 63 | 0 | 0 | 0 | 16 | 0 | 16 | 12 | 0 | 0 | 0 | 0 | 24 | 39 | 0 | 77 | 656 | | |
| <i>Pseudanthidium nanum</i> | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 16 | | | | |
| <i>Sphecodes arvensiformis</i> | 0 | 1 | 0 | 1 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 3 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 2 | 25 | | | | | | |
| <i>Sphecodes davisi</i> | 0 | 0 | 4 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | | | | | | |
| <i>Sphecodes kincaidii</i> | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 14 | | | |
| <i>Sphecodes olympicus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | |
| <i>Sphecodes pecosensis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 15 | | | | |
| <i>Stelis ashmeadiellus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | | | | | |
| <i>Stelis carinifex</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | | | | |
| <i>Stelis laticincta</i> | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 7 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 39 | | | | | |
| <i>Stelis monticola</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | | | | | |
| <i>Stelis rubi</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | |
| <i>Stelis submarginalis</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | | | | | |
| <i>Trachusa timberlakei</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | | | | | |
| <i>Tripeolus argyreus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | | | | | |
| <i>Tripeolus californicus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | |
| <i>Tripeolus concavus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | | | | | | |
| <i>Tripeolus helianthi</i> | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | | | | | |
| <i>Tripeolus heterurus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 11 | | | | |
| <i>Tripeolus lunatus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | |
| <i>Tripeolus melanarius</i> | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 1 | 20 | | | |
| <i>Tripeolus paenepectoralis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | | | | |
| <i>Tripeolus utahensis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | | | | | | |
| <i>Xylocopa californica</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | | | | |
| <i>Xylocopa tabaniformis</i> | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 8 | 0 | 0 | 0 | 17 | 0 | 55 | 17 | 1 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 116 | | | | |
| <i>Xylocopa virginica</i> | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | | | | | |
| <i>Zacosmia maculata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | | | | | |
| TOTAL | 1265 | 3073 | 1104 | 312 | 1105 | 115 | 1463 | 752 | 3362 | 614 | 109 | 1356 | 2923 | 1462 | 2979 | 867 | 3288 | 3371 | 2500 | 3314 | 1455 | 964 | 1458 | 2929 | 214 | 1320 | 916 | 408 | 415 | 984 | 701 | 909 | 1375 | 3459 | 1299 | 3669 | 57809 |

Table 5: Your determination accuracy in 2023.

| Taxon |
|-------------------------|
| No specimens identified |

6 Taxonomic Accuracy, 2023

In 2023, you did not have specimens to identify.

In 2023, volunteers from the Oregon Bee Atlas project identified 45.4 % (9918) of the 21864 bee specimens to the level of genus, with an average accuracy of 94.6%. Volunteers also identified 0% (0) of the specimens to species level, and had an average accuracy of NaN% (see Table 6). Nicely done!

Table 6: Determination accuracy for all volunteers in 2023.

| | Taxon | Specimens ID-ed | Correct ID | % Correct |
|---------------|----------------------|-----------------|------------|-----------|
| Family | | | | |
| | <i>Andrenidae</i> | 1171 | 1121 | 95.7 |
| | <i>Apidae</i> | 3080 | 3039 | 98.7 |
| | <i>Colletidae</i> | 422 | 396 | 93.8 |
| | <i>Halictidae</i> | 2297 | 2266 | 98.7 |
| | <i>Megachilidae</i> | 3020 | 2970 | 98.3 |
| | <i>Melittidae</i> | 4 | 1 | 25.0 |
| | <i>TOTAL</i> | 9994 | 9793 | 98.0 |
| Genus | | | | |
| | <i>Agapostemon</i> | 86 | 86 | 100.0 |
| | <i>Andrena</i> | 682 | 662 | 97.1 |
| | <i>Anthidiellum</i> | 30 | 7 | 23.3 |
| | <i>Anthidium</i> | 125 | 124 | 99.2 |
| | <i>Anthophora</i> | 198 | 184 | 92.9 |
| | <i>Apis</i> | 85 | 85 | 100.0 |
| | <i>Ashmeadiella</i> | 58 | 47 | 81.0 |
| | <i>Atoposmia</i> | 46 | 44 | 95.7 |
| | <i>Biastes</i> | 3 | 3 | 100.0 |
| | <i>Bombus</i> | 1671 | 1670 | 99.9 |
| | <i>Brachymelecta</i> | 5 | 5 | 100.0 |
| | <i>Calliopsis</i> | 21 | 10 | 47.6 |
| | <i>Ceratina</i> | 273 | 268 | 98.2 |
| | <i>Chelostoma</i> | 27 | 24 | 88.9 |
| | <i>Coelioxys</i> | 43 | 42 | 97.7 |
| | <i>Colletes</i> | 265 | 245 | 92.5 |
| | <i>Diadasia</i> | 71 | 59 | 83.1 |
| | <i>Dianthidium</i> | 97 | 78 | 80.4 |
| | <i>Dioxytis</i> | 2 | 1 | 50.0 |
| | <i>Dufourea</i> | 53 | 52 | 98.1 |
| | <i>Epeolus</i> | 10 | 9 | 90.0 |
| | <i>Eucera</i> | 60 | 57 | 95.0 |
| | <i>Habropoda</i> | 49 | 47 | 95.9 |
| | <i>Halictus</i> | 902 | 862 | 95.6 |
| | <i>Heriades</i> | 40 | 29 | 72.5 |
| | <i>Hesperapis</i> | 4 | 1 | 25.0 |
| | <i>Holcopasites</i> | 1 | 1 | 100.0 |
| | <i>Hoplitis</i> | 231 | 195 | 84.4 |
| | <i>Hylaeus</i> | 157 | 151 | 96.2 |

Table 6: Determination accuracy for all volunteers in 2023. (*continued*)

| Taxon | Specimens ID-ed | Correct ID | % Correct |
|----------------------------------|-----------------|------------|-----------|
| <i>Lasioglossum</i> | 1163 | 1101 | 94.7 |
| <i>Megachile</i> | 562 | 546 | 97.2 |
| <i>Melecta</i> | 21 | 20 | 95.2 |
| <i>Melissodes</i> | 370 | 322 | 87.0 |
| <i>Micralictoides</i> | 14 | 14 | 100.0 |
| <i>Neolarra</i> | 3 | 3 | 100.0 |
| <i>Nomada</i> | 207 | 201 | 97.1 |
| <i>Osmia</i> | 1670 | 1639 | 98.1 |
| <i>Panurginus</i> | 140 | 120 | 85.7 |
| <i>Perdita</i> | 319 | 249 | 78.1 |
| <i>Protandrena</i> | 8 | 7 | 87.5 |
| <i>Protosmia</i> | 48 | 33 | 68.8 |
| <i>Pseudoanthidium</i> | 4 | 1 | 25.0 |
| <i>Sphecodes</i> | 79 | 65 | 82.3 |
| <i>Stelis</i> | 31 | 21 | 67.7 |
| <i>Trachusa</i> | 6 | 5 | 83.3 |
| <i>Triepeolus</i> | 43 | 41 | 95.3 |
| <i>Xylocopa</i> | 10 | 9 | 90.0 |
| TOTAL | 9993 | 9445 | 94.5 |
| Species | | | |
| <i>Anthidiellum robertsoni</i> | 7 | 7 | 100.0 |
| <i>Apis mellifera</i> | 68 | 68 | 100.0 |
| <i>Bombus appositus</i> | 8 | 7 | 87.5 |
| <i>Bombus caliginosus</i> | 32 | 24 | 75.0 |
| <i>Bombus centralis</i> | 43 | 38 | 88.4 |
| <i>Bombus fervidus</i> | 43 | 43 | 100.0 |
| <i>Bombus flavidus</i> | 23 | 22 | 95.7 |
| <i>Bombus flavifrons</i> | 57 | 54 | 94.7 |
| <i>Bombus frigidus</i> | 3 | 0 | 0.0 |
| <i>Bombus griseocollis</i> | 46 | 46 | 100.0 |
| <i>Bombus huntii</i> | 50 | 46 | 92.0 |
| <i>Bombus insularis</i> | 9 | 7 | 77.8 |
| <i>Bombus kirbiellus</i> | 1 | 0 | 0.0 |
| <i>Bombus melanopygus</i> | 42 | 20 | 47.6 |
| <i>Bombus mixtus</i> | 139 | 121 | 87.1 |
| <i>Bombus morrisoni</i> | 4 | 4 | 100.0 |
| <i>Bombus nevadensis</i> | 13 | 12 | 92.3 |
| <i>Bombus occidentalis</i> | 5 | 3 | 60.0 |
| <i>Bombus rufocinctus</i> | 6 | 4 | 66.7 |
| <i>Bombus sitkensis</i> | 29 | 15 | 51.7 |
| <i>Bombus sylvicola</i> | 45 | 14 | 31.1 |
| <i>Bombus vagans</i> | 4 | 2 | 50.0 |
| <i>Bombus vancouverensis</i> | 259 | 257 | 99.2 |
| <i>Bombus vandykei</i> | 31 | 24 | 77.4 |
| <i>Bombus vosnesenskii</i> | 269 | 252 | 93.7 |
| <i>Brachymelecta californica</i> | 3 | 3 | 100.0 |
| <i>Ceratina pacifica</i> | 1 | 0 | 0.0 |
| <i>Halictus confusus</i> | 35 | 28 | 80.0 |
| <i>Halictus farinosus</i> | 28 | 24 | 85.7 |
| <i>Halictus ligatus</i> | 208 | 207 | 99.5 |
| <i>Halictus rubicundus</i> | 16 | 15 | 93.8 |

Table 6: Determination accuracy for all volunteers in 2023. (*continued*)

| Taxon | Specimens ID-ed | Correct ID | % Correct |
|--------------------------------------|-----------------|------------|-----------|
| <i>Halictus tripartitus</i> | 108 | 107 | 99.1 |
| <i>Halictus virgatellus</i> | 7 | 6 | 85.7 |
| <i>Holcopasites pulchellus</i> | 1 | 1 | 100.0 |
| <i>Lasioglossum anhypops</i> | 3 | 3 | 100.0 |
| <i>Lasioglossum aspilurum</i> | 1 | 1 | 100.0 |
| <i>Lasioglossum boreale</i> | 2 | 2 | 100.0 |
| <i>Lasioglossum cooleyi</i> | 23 | 0 | 0.0 |
| <i>Lasioglossum cressonii</i> | 1 | 1 | 100.0 |
| <i>Lasioglossum diatretum</i> | 1 | 1 | 100.0 |
| <i>Lasioglossum diversopunctatum</i> | 4 | 4 | 100.0 |
| <i>Lasioglossum glabriventre</i> | 1 | 1 | 100.0 |
| <i>Lasioglossum helianthi</i> | 1 | 0 | 0.0 |
| <i>Lasioglossum incompletum</i> | 74 | 72 | 97.3 |
| <i>Lasioglossum inconditum</i> | 2 | 2 | 100.0 |
| <i>Lasioglossum kincaidii</i> | 2 | 2 | 100.0 |
| <i>Lasioglossum nevadense</i> | 1 | 1 | 100.0 |
| <i>Lasioglossum olympiae</i> | 1 | 1 | 100.0 |
| <i>Lasioglossum ovaliceps</i> | 5 | 5 | 100.0 |
| <i>Lasioglossum pavonotum</i> | 10 | 10 | 100.0 |
| <i>Lasioglossum pruinosum</i> | 4 | 4 | 100.0 |
| <i>Lasioglossum pulveris</i> | 6 | 6 | 100.0 |
| <i>Lasioglossum quebecense</i> | 1 | 0 | 0.0 |
| <i>Lasioglossum ruidosense</i> | 3 | 3 | 100.0 |
| <i>Lasioglossum sisymbrii</i> | 19 | 19 | 100.0 |
| <i>Lasioglossum titusi</i> | 24 | 20 | 83.3 |
| <i>Lasioglossum zephyrus</i> | 1 | 1 | 100.0 |
| <i>Lasioglossum zonulum</i> | 4 | 4 | 100.0 |
| <i>Megachile perihirta</i> | 1 | 0 | 0.0 |
| <i>Micralictoides ruficaudus</i> | 14 | 14 | 100.0 |
| <i>Osmia atrocyanea</i> | 1 | 0 | 0.0 |
| <i>Osmia brevis</i> | 2 | 0 | 0.0 |
| <i>Osmia coloradensis</i> | 1 | 0 | 0.0 |
| <i>Osmia cyanella</i> | 3 | 0 | 0.0 |
| <i>Osmia densa</i> | 5 | 0 | 0.0 |
| <i>Osmia sculleni</i> | 3 | 0 | 0.0 |
| <i>Protosmia rubifloris</i> | 15 | 15 | 100.0 |
| <i>Trachusa timberlakei</i> | 5 | 5 | 100.0 |
| TOTAL | 1887 | 1678 | 88.9 |

7 Taxonomic Accuracy, All Years

Over your time in the Atlas you identified 73 of your 120 specimens to genus level and 26 to species level, with a genus-level identification accuracy of 100% and a species-level identification accuracy of 88.5% (see Table 7). In total, volunteers from the Oregon Bee Atlas project identified 40.5 % (47150) of the 116490 bee specimens to the level of genus, with an average accuracy of 93.9%. Volunteers also identified 0.8% (875) of the specimens to species level, and had an average accuracy of 70.4% (see Table 8). Nicely done!

Table 7: Your determination accuracy.

| | Taxon | Specimens ID-ed | Correct ID | % Correct |
|-----------------------------|-------|-----------------|------------|-----------|
| Family | | | | |
| <i>Andrenidae</i> | | 15 | 15 | 100.0 |
| <i>Apidae</i> | | 17 | 17 | 100.0 |
| <i>Colletidae</i> | | 4 | 4 | 100.0 |
| <i>Halictidae</i> | | 27 | 27 | 100.0 |
| <i>Megachilidae</i> | | 11 | 11 | 100.0 |
| <i>TOTAL</i> | | 74 | 74 | 100.0 |
| Genus | | | | |
| <i>Andrena</i> | | 13 | 13 | 100.0 |
| <i>Apis</i> | | 1 | 1 | 100.0 |
| <i>Bombus</i> | | 6 | 6 | 100.0 |
| <i>Ceratina</i> | | 5 | 5 | 100.0 |
| <i>Halictus</i> | | 10 | 10 | 100.0 |
| <i>Hoplitis</i> | | 1 | 1 | 100.0 |
| <i>Hylaeus</i> | | 4 | 4 | 100.0 |
| <i>Lasioglossum</i> | | 17 | 17 | 100.0 |
| <i>Megachile</i> | | 3 | 3 | 100.0 |
| <i>Melissodes</i> | | 1 | 1 | 100.0 |
| <i>Nomada</i> | | 2 | 2 | 100.0 |
| <i>Osmia</i> | | 7 | 7 | 100.0 |
| <i>Xylocopa</i> | | 1 | 1 | 100.0 |
| <i>TOTAL</i> | | 71 | 71 | 100.0 |
| Species | | | | |
| <i>Apis mellifera</i> | | 1 | 1 | 100.0 |
| <i>Bombus mixtus</i> | | 1 | 0 | 0.0 |
| <i>Bombus rufocinctus</i> | | 1 | 1 | 100.0 |
| <i>Bombus vosnesenskii</i> | | 4 | 4 | 100.0 |
| <i>Ceratina acantha</i> | | 5 | 5 | 100.0 |
| <i>Halictus ligatus</i> | | 5 | 5 | 100.0 |
| <i>Halictus tripartitus</i> | | 5 | 5 | 100.0 |
| <i>Hoplitis grinnelli</i> | | 1 | 1 | 100.0 |
| <i>Osmia calla</i> | | 2 | 0 | 0.0 |
| <i>Osmia densa</i> | | 1 | 1 | 100.0 |
| <i>TOTAL</i> | | 26 | 23 | 88.5 |

Table 8: Determination accuracy for all volunteers.

| | Taxon | Specimens ID-ed | Correct ID | % Correct |
|-------------------|-------|-----------------|------------|-----------|
| Family | | | | |
| <i>Andrenidae</i> | | 6786 | 6064 | 89.4 |
| <i>Apidae</i> | | 17614 | 17375 | 98.6 |
| <i>Colletidae</i> | | 2847 | 2685 | 94.3 |
| <i>Halictidae</i> | | 14510 | 14302 | 98.6 |

Table 8: Determination accuracy for all volunteers. (*continued*)

| Taxon | Specimens ID-ed | Correct ID | % Correct |
|------------------------|-----------------|------------|-----------|
| <i>Megachilidae</i> | 11434 | 11275 | 98.6 |
| <i>Melittidae</i> | 4 | 1 | 25.0 |
| <i>TOTAL</i> | 53195 | 51702 | 97.2 |
| Genus | | | |
| <i>Agapostemon</i> | 965 | 961 | 99.6 |
| <i>Andrena</i> | 4750 | 4155 | 87.5 |
| <i>Anthidiellum</i> | 56 | 24 | 42.9 |
| <i>Anthidium</i> | 546 | 539 | 98.7 |
| <i>Anthophora</i> | 1213 | 1144 | 94.3 |
| <i>Apis</i> | 594 | 585 | 98.5 |
| <i>Ashmeadiella</i> | 342 | 291 | 85.1 |
| <i>Atoposmia</i> | 137 | 93 | 67.9 |
| <i>Biastes</i> | 8 | 6 | 75.0 |
| <i>Bombus</i> | 7802 | 7774 | 99.6 |
| <i>Brachymelecta</i> | 95 | 71 | 74.7 |
| <i>Calliopsis</i> | 98 | 57 | 58.2 |
| <i>Ceratina</i> | 2971 | 2923 | 98.4 |
| <i>Chelostoma</i> | 82 | 63 | 76.8 |
| <i>Coelioxys</i> | 152 | 143 | 94.1 |
| <i>Colletes</i> | 1346 | 1229 | 91.3 |
| <i>Diadasia</i> | 368 | 322 | 87.5 |
| <i>Dianthidium</i> | 314 | 280 | 89.2 |
| <i>Dioxys</i> | 6 | 3 | 50.0 |
| <i>Dufourea</i> | 260 | 217 | 83.5 |
| <i>Epeolus</i> | 61 | 43 | 70.5 |
| <i>Eucera</i> | 635 | 583 | 91.8 |
| <i>Habropoda</i> | 279 | 259 | 92.8 |
| <i>Halictus</i> | 5622 | 5393 | 95.9 |
| <i>Heriades</i> | 223 | 179 | 80.3 |
| <i>Hesperapis</i> | 4 | 1 | 25.0 |
| <i>Holcopasites</i> | 1 | 1 | 100.0 |
| <i>Hoplitis</i> | 748 | 605 | 80.9 |
| <i>Hylaeus</i> | 1500 | 1454 | 96.9 |
| <i>Lasioglossum</i> | 7189 | 6828 | 95.0 |
| <i>Megachile</i> | 2279 | 2223 | 97.5 |
| <i>Melecta</i> | 72 | 69 | 95.8 |
| <i>Melissodes</i> | 2045 | 1860 | 91.0 |
| <i>Micralictoides</i> | 16 | 14 | 87.5 |
| <i>Neolarra</i> | 3 | 3 | 100.0 |
| <i>Nomada</i> | 1220 | 1164 | 95.4 |
| <i>Nomia</i> | 2 | 2 | 100.0 |
| <i>Oreopasites</i> | 3 | 0 | 0.0 |
| <i>Osmia</i> | 6165 | 6055 | 98.2 |
| <i>Panurginus</i> | 750 | 567 | 75.6 |
| <i>Perdita</i> | 1147 | 1060 | 92.4 |
| <i>Protandrena</i> | 27 | 9 | 33.3 |
| <i>Protosmia</i> | 268 | 212 | 79.1 |
| <i>Pseudoanthidium</i> | 6 | 3 | 50.0 |
| <i>Sphecodes</i> | 454 | 354 | 78.0 |
| <i>Stelis</i> | 97 | 64 | 66.0 |
| <i>Trachusa</i> | 8 | 7 | 87.5 |
| <i>Triepeolus</i> | 176 | 147 | 83.5 |

Table 8: Determination accuracy for all volunteers. (*continued*)

| Taxon | Specimens ID-ed | Correct ID | % Correct |
|-----------------------------------|-----------------|------------|-----------|
| <i>Xylocopa</i> | 62 | 60 | 96.8 |
| <i>Zacosmia</i> | 1 | 1 | 100.0 |
| <i>TOTAL</i> | 53168 | 50100 | 94.2 |
| Species | | | |
| <i>Agapostemon femoratus</i> | 181 | 171 | 94.5 |
| <i>Agapostemon melliventris</i> | 14 | 14 | 100.0 |
| <i>Agapostemon subtilior</i> | 228 | 214 | 93.9 |
| <i>Agapostemon virescens</i> | 109 | 95 | 87.2 |
| <i>Andrena angustitarsata</i> | 18 | 18 | 100.0 |
| <i>Andrena astragali</i> | 1 | 1 | 100.0 |
| <i>Andrena chlorogaster</i> | 2 | 2 | 100.0 |
| <i>Andrena crataegi</i> | 1 | 1 | 100.0 |
| <i>Andrena cupreotincta</i> | 14 | 14 | 100.0 |
| <i>Andrena fuscicauda</i> | 2 | 2 | 100.0 |
| <i>Andrena illinoiensis</i> | 1 | 1 | 100.0 |
| <i>Andrena nigrocaerulea</i> | 2 | 2 | 100.0 |
| <i>Andrena pallidifovea</i> | 1 | 1 | 100.0 |
| <i>Andrena perplexa</i> | 1 | 1 | 100.0 |
| <i>Andrena piperi</i> | 3 | 2 | 66.7 |
| <i>Andrena prunorum</i> | 34 | 34 | 100.0 |
| <i>Andrena salicifloris</i> | 2 | 2 | 100.0 |
| <i>Andrena vicina</i> | 4 | 3 | 75.0 |
| <i>Anthidiellum robertsoni</i> | 19 | 19 | 100.0 |
| <i>Anthidium atrifrons</i> | 3 | 3 | 100.0 |
| <i>Anthidium banningense</i> | 5 | 5 | 100.0 |
| <i>Anthidium duomarginatum</i> | 1 | 0 | 0.0 |
| <i>Anthidium emarginatum</i> | 5 | 0 | 0.0 |
| <i>Anthidium manicatum</i> | 53 | 44 | 83.0 |
| <i>Anthidium mormonum</i> | 12 | 12 | 100.0 |
| <i>Anthidium oblongatum</i> | 14 | 14 | 100.0 |
| <i>Anthidium palliventre</i> | 33 | 30 | 90.9 |
| <i>Anthidium placitum</i> | 1 | 1 | 100.0 |
| <i>Anthidium tenuiflorae</i> | 2 | 2 | 100.0 |
| <i>Anthidium utahense</i> | 3 | 3 | 100.0 |
| <i>Anthophora bombooides</i> | 3 | 3 | 100.0 |
| <i>Anthophora californica</i> | 1 | 0 | 0.0 |
| <i>Anthophora neglecta</i> | 3 | 0 | 0.0 |
| <i>Anthophora pacifica</i> | 3 | 3 | 100.0 |
| <i>Anthophora urbana</i> | 251 | 249 | 99.2 |
| <i>Anthophora ursina</i> | 2 | 0 | 0.0 |
| <i>Apis mellifera</i> | 492 | 488 | 99.2 |
| <i>Ashmeadiella aridula</i> | 1 | 0 | 0.0 |
| <i>Ashmeadiella californica</i> | 1 | 1 | 100.0 |
| <i>Ashmeadiella clypeodenata</i> | 1 | 0 | 0.0 |
| <i>Ashmeadiella cubiceps</i> | 2 | 1 | 50.0 |
| <i>Ashmeadiella difugita</i> | 1 | 0 | 0.0 |
| <i>Ashmeadiella eurynorhyncha</i> | 1 | 0 | 0.0 |
| <i>Ashmeadiella timberlakei</i> | 1 | 1 | 100.0 |
| <i>Atoposmia abjecta</i> | 3 | 3 | 100.0 |
| <i>Atoposmia copelandica</i> | 6 | 6 | 100.0 |
| <i>Atoposmia oregonia</i> | 4 | 3 | 75.0 |
| <i>Atoposmia triodonta</i> | 1 | 0 | 0.0 |

Table 8: Determination accuracy for all volunteers. (*continued*)

| Taxon | Specimens ID-ed | Correct ID | % Correct |
|----------------------------------|-----------------|------------|-----------|
| <i>Bombus Griseocollis</i> | 1 | 0 | 0.0 |
| <i>Bombus Mixtus</i> | 8 | 0 | 0.0 |
| <i>Bombus Nevadensis</i> | 1 | 0 | 0.0 |
| <i>Bombus appositus</i> | 48 | 36 | 75.0 |
| <i>Bombus caliginosus</i> | 345 | 273 | 79.1 |
| <i>Bombus centralis</i> | 201 | 187 | 93.0 |
| <i>Bombus fervidus</i> | 362 | 325 | 89.8 |
| <i>Bombus flavidus</i> | 145 | 134 | 92.4 |
| <i>Bombus flavifrons</i> | 541 | 454 | 83.9 |
| <i>Bombus frigidus</i> | 5 | 0 | 0.0 |
| <i>Bombus griseocollis</i> | 140 | 138 | 98.6 |
| <i>Bombus huntii</i> | 160 | 139 | 86.9 |
| <i>Bombus insularis</i> | 33 | 25 | 75.8 |
| <i>Bombus kirbiellus</i> | 1 | 0 | 0.0 |
| <i>Bombus melanopygus</i> | 328 | 274 | 83.5 |
| <i>Bombus mixtus</i> | 956 | 877 | 91.7 |
| <i>Bombus morrisoni</i> | 11 | 10 | 90.9 |
| <i>Bombus nevadensis</i> | 65 | 58 | 89.2 |
| <i>Bombus occidentalis</i> | 33 | 27 | 81.8 |
| <i>Bombus rufocinctus</i> | 58 | 36 | 62.1 |
| <i>Bombus sitkensis</i> | 195 | 147 | 75.4 |
| <i>Bombus suckleyi</i> | 2 | 0 | 0.0 |
| <i>Bombus sylvicola</i> | 69 | 31 | 44.9 |
| <i>Bombus vagans</i> | 24 | 8 | 33.3 |
| <i>Bombus vancouverensis</i> | 829 | 802 | 96.7 |
| <i>Bombus vandykei</i> | 86 | 62 | 72.1 |
| <i>Bombus vosnesenskii</i> | 1378 | 1284 | 93.2 |
| <i>Brachymelecta californica</i> | 45 | 43 | 95.6 |
| <i>Calliopsis zonalis</i> | 1 | 0 | 0.0 |
| <i>Ceratina acantha</i> | 679 | 665 | 97.9 |
| <i>Ceratina micheneri</i> | 44 | 43 | 97.7 |
| <i>Ceratina nanula</i> | 3 | 2 | 66.7 |
| <i>Ceratina neomexicana</i> | 1 | 1 | 100.0 |
| <i>Ceratina pacifica</i> | 8 | 6 | 75.0 |
| <i>Ceratina sequoiae</i> | 5 | 0 | 0.0 |
| <i>Ceratina tejonensis</i> | 7 | 2 | 28.6 |
| <i>Ceratina timberlakei</i> | 5 | 0 | 0.0 |
| <i>Chelostoma minutum</i> | 1 | 1 | 100.0 |
| <i>Coelioxys alternatus</i> | 1 | 0 | 0.0 |
| <i>Coelioxys rufitarsis</i> | 4 | 0 | 0.0 |
| <i>Coelioxys sayi</i> | 2 | 2 | 100.0 |
| <i>Coelioxys texanus</i> | 4 | 0 | 0.0 |
| <i>Diadasia angusticeps</i> | 7 | 7 | 100.0 |
| <i>Diadasia australis</i> | 4 | 4 | 100.0 |
| <i>Diadasia diminuta</i> | 17 | 17 | 100.0 |
| <i>Diadasia enavata</i> | 100 | 99 | 99.0 |
| <i>Diadasia lutzi</i> | 28 | 6 | 21.4 |
| <i>Diadasia nigritrons</i> | 9 | 9 | 100.0 |
| <i>Diadasia opuntiae</i> | 8 | 0 | 0.0 |
| <i>Dianthidium curvatum</i> | 22 | 22 | 100.0 |
| <i>Dianthidium heterulkei</i> | 9 | 0 | 0.0 |
| <i>Dianthidium pudicum</i> | 12 | 12 | 100.0 |

Table 8: Determination accuracy for all volunteers. (*continued*)

| Taxon | Specimens ID-ed | Correct ID | % Correct |
|--------------------------------------|-----------------|------------|-----------|
| <i>Dianthidium subparvum</i> | 3 | 3 | 100.0 |
| <i>Dianthidium ulkei</i> | 24 | 17 | 70.8 |
| <i>Dioxys aurifuscus</i> | 2 | 2 | 100.0 |
| <i>Eucera actuosa</i> | 11 | 10 | 90.9 |
| <i>Eucera cordleyi</i> | 18 | 4 | 22.2 |
| <i>Eucera edwardsii</i> | 48 | 20 | 41.7 |
| <i>Eucera frater</i> | 8 | 8 | 100.0 |
| <i>Eucera speciosa</i> | 19 | 0 | 0.0 |
| <i>Habropoda depressa</i> | 4 | 4 | 100.0 |
| <i>Habropoda miserabilis</i> | 7 | 6 | 85.7 |
| <i>Habropoda tristissima</i> | 3 | 2 | 66.7 |
| <i>Halictus Ligatus</i> | 4 | 0 | 0.0 |
| <i>Halictus confusus</i> | 149 | 122 | 81.9 |
| <i>Halictus farinosus</i> | 284 | 246 | 86.6 |
| <i>Halictus ligatus</i> | 1475 | 1464 | 99.3 |
| <i>Halictus rubicundus</i> | 361 | 333 | 92.2 |
| <i>Halictus tripartitus</i> | 723 | 684 | 94.6 |
| <i>Halictus virgatellus</i> | 114 | 109 | 95.6 |
| <i>Heriades carinata</i> | 2 | 0 | 0.0 |
| <i>Holcopasites pulchellus</i> | 1 | 1 | 100.0 |
| <i>Hoplitis albifrons</i> | 5 | 5 | 100.0 |
| <i>Hoplitis boharti</i> | 2 | 2 | 100.0 |
| <i>Hoplitis coleii</i> | 1 | 0 | 0.0 |
| <i>Hoplitis emarginata</i> | 1 | 1 | 100.0 |
| <i>Hoplitis fulgida</i> | 7 | 7 | 100.0 |
| <i>Hoplitis grinnelli</i> | 8 | 5 | 62.5 |
| <i>Hoplitis hypocrita</i> | 1 | 1 | 100.0 |
| <i>Hoplitis louisae</i> | 2 | 2 | 100.0 |
| <i>Hoplitis orthognatha</i> | 7 | 7 | 100.0 |
| <i>Hoplitis producta</i> | 12 | 10 | 83.3 |
| <i>Hoplitis uvulalis</i> | 3 | 3 | 100.0 |
| <i>Hoplitis viridimicans</i> | 6 | 4 | 66.7 |
| <i>Hylaeus basalis</i> | 6 | 3 | 50.0 |
| <i>Hylaeus mesillae</i> | 1 | 0 | 0.0 |
| <i>Hylaeus verticalis</i> | 1 | 0 | 0.0 |
| <i>Lasioglossum albipenne</i> | 3 | 3 | 100.0 |
| <i>Lasioglossum albohirtum</i> | 7 | 7 | 100.0 |
| <i>Lasioglossum allonotus</i> | 1 | 1 | 100.0 |
| <i>Lasioglossum anhypops</i> | 6 | 5 | 83.3 |
| <i>Lasioglossum aspilurum</i> | 2 | 2 | 100.0 |
| <i>Lasioglossum athabascense</i> | 2 | 0 | 0.0 |
| <i>Lasioglossum boreale</i> | 2 | 2 | 100.0 |
| <i>Lasioglossum brunneiventre</i> | 4 | 4 | 100.0 |
| <i>Lasioglossum buccale</i> | 3 | 3 | 100.0 |
| <i>Lasioglossum colatum</i> | 1 | 1 | 100.0 |
| <i>Lasioglossum cooleyi</i> | 24 | 1 | 4.2 |
| <i>Lasioglossum cordleyi</i> | 5 | 5 | 100.0 |
| <i>Lasioglossum cressonii</i> | 30 | 30 | 100.0 |
| <i>Lasioglossum diatretum</i> | 5 | 3 | 60.0 |
| <i>Lasioglossum diversopunctatum</i> | 4 | 4 | 100.0 |
| <i>Lasioglossum egregium</i> | 4 | 1 | 25.0 |
| <i>Lasioglossum glabriventre</i> | 4 | 4 | 100.0 |

Table 8: Determination accuracy for all volunteers. (*continued*)

| Taxon | Specimens ID-ed | Correct ID | % Correct |
|-----------------------------------|-----------------|------------|-----------|
| <i>Lasioglossum helianthi</i> | 1 | 0 | 0.0 |
| <i>Lasioglossum imbrex</i> | 7 | 0 | 0.0 |
| <i>Lasioglossum incompletum</i> | 79 | 73 | 92.4 |
| <i>Lasioglossum inconditum</i> | 7 | 5 | 71.4 |
| <i>Lasioglossum kincaidii</i> | 10 | 10 | 100.0 |
| <i>Lasioglossum macroprosopum</i> | 2 | 2 | 100.0 |
| <i>Lasioglossum mellipes</i> | 3 | 0 | 0.0 |
| <i>Lasioglossum nevadense</i> | 9 | 9 | 100.0 |
| <i>Lasioglossum novascotiae</i> | 1 | 0 | 0.0 |
| <i>Lasioglossum occultum</i> | 3 | 2 | 66.7 |
| <i>Lasioglossum olympiae</i> | 138 | 127 | 92.0 |
| <i>Lasioglossum ovaliceps</i> | 12 | 12 | 100.0 |
| <i>Lasioglossum pacificum</i> | 64 | 55 | 85.9 |
| <i>Lasioglossum pavonotum</i> | 59 | 58 | 98.3 |
| <i>Lasioglossum pruinosum</i> | 12 | 12 | 100.0 |
| <i>Lasioglossum pulveris</i> | 27 | 27 | 100.0 |
| <i>Lasioglossum quebecense</i> | 1 | 0 | 0.0 |
| <i>Lasioglossum rubicundus</i> | 1 | 0 | 0.0 |
| <i>Lasioglossum ruidosense</i> | 5 | 5 | 100.0 |
| <i>Lasioglossum sequoiae</i> | 6 | 0 | 0.0 |
| <i>Lasioglossum sisymbrii</i> | 105 | 101 | 96.2 |
| <i>Lasioglossum titusi</i> | 260 | 214 | 82.3 |
| <i>Lasioglossum villosum</i> | 11 | 8 | 72.7 |
| <i>Lasioglossum zephyrus</i> | 2 | 2 | 100.0 |
| <i>Lasioglossum zonulum</i> | 25 | 22 | 88.0 |
| <i>Megachile angelarum</i> | 25 | 22 | 88.0 |
| <i>Megachile anograe</i> | 6 | 0 | 0.0 |
| <i>Megachile apicalis</i> | 4 | 4 | 100.0 |
| <i>Megachile brevis</i> | 23 | 1 | 4.3 |
| <i>Megachile fidelis</i> | 6 | 5 | 83.3 |
| <i>Megachile melanophaea</i> | 2 | 1 | 50.0 |
| <i>Megachile mellitarsis</i> | 4 | 4 | 100.0 |
| <i>Megachile montivaga</i> | 1 | 0 | 0.0 |
| <i>Megachile nevadensis</i> | 8 | 0 | 0.0 |
| <i>Megachile perihirta</i> | 61 | 55 | 90.2 |
| <i>Megachile pugnata</i> | 8 | 4 | 50.0 |
| <i>Megachile rotundata</i> | 23 | 22 | 95.7 |
| <i>Megachile wheeleri</i> | 4 | 4 | 100.0 |
| <i>Melecta edwardsii</i> | 8 | 8 | 100.0 |
| <i>Melecta pacifica</i> | 5 | 3 | 60.0 |
| <i>Melecta separata</i> | 4 | 4 | 100.0 |
| <i>Melecta thoracica</i> | 2 | 0 | 0.0 |
| <i>Melissodes agilis</i> | 1 | 1 | 100.0 |
| <i>Melissodes bimatratus</i> | 2 | 0 | 0.0 |
| <i>Melissodes metenuus</i> | 3 | 3 | 100.0 |
| <i>Melitta americana</i> | 2 | 0 | 0.0 |
| <i>Micralictoides ruficaudus</i> | 14 | 14 | 100.0 |
| <i>Nomia melanderi</i> | 1 | 1 | 100.0 |
| <i>Osmia aglaia</i> | 10 | 0 | 0.0 |
| <i>Osmia albilateralis</i> | 1 | 0 | 0.0 |
| <i>Osmia atrocyanea</i> | 10 | 9 | 90.0 |
| <i>Osmia brevis</i> | 2 | 0 | 0.0 |

Table 8: Determination accuracy for all volunteers. (*continued*)

| Taxon | Specimens ID-ed | Correct ID | % Correct |
|------------------------------|-----------------|------------|-----------|
| <i>Osmia bruneri</i> | 8 | 7 | 87.5 |
| <i>Osmia californica</i> | 2 | 0 | 0.0 |
| <i>Osmia calla</i> | 6 | 0 | 0.0 |
| <i>Osmia coloradensis</i> | 1 | 0 | 0.0 |
| <i>Osmia cornifrons</i> | 10 | 10 | 100.0 |
| <i>Osmia cyanella</i> | 3 | 0 | 0.0 |
| <i>Osmia densa</i> | 6 | 1 | 16.7 |
| <i>Osmia kincaidii</i> | 3 | 3 | 100.0 |
| <i>Osmia laeta</i> | 2 | 0 | 0.0 |
| <i>Osmia lignaria</i> | 11 | 11 | 100.0 |
| <i>Osmia montana</i> | 3 | 3 | 100.0 |
| <i>Osmia nemoris</i> | 5 | 1 | 20.0 |
| <i>Osmia sculleni</i> | 3 | 0 | 0.0 |
| <i>Perdita nevadensis</i> | 1 | 1 | 100.0 |
| <i>Protosmia rubifloris</i> | 168 | 167 | 99.4 |
| <i>Pseudoanthidium nanum</i> | 2 | 2 | 100.0 |
| <i>Stelis laticincta</i> | 5 | 5 | 100.0 |
| <i>Trachusa timberlakei</i> | 5 | 5 | 100.0 |
| <i>Triepeolus concavus</i> | 4 | 4 | 100.0 |
| <i>Triepeolus utahensis</i> | 5 | 2 | 40.0 |
| <i>Xylocopa californica</i> | 1 | 1 | 100.0 |
| <i>Xylocopa tabaniformis</i> | 16 | 16 | 100.0 |
| <i>Xylocopa virginica</i> | 1 | 0 | 0.0 |
| <i>Zacosmia maculata</i> | 1 | 1 | 100.0 |
| <i>bombus flavifrons</i> | 1 | 0 | 0.0 |
| <i>bombus melanopygus</i> | 1 | 0 | 0.0 |
| <i>bombus sitkensis</i> | 1 | 0 | 0.0 |
| <i>bombus vosnesenskii</i> | 1 | 0 | 0.0 |
| TOTAL | 13393 | 12047 | 89.9 |