# Carrie Lowe

Oregon Bee Atlas Collection and Identification Report

## 1 All Your Collections

Carrie Lowe caught 100 bees across 2 counties from April 27, 2019 to August 06, 2019, representing 29 unique taxa, including 25 unique species.

Figure 1: Bees caught by Carrie Lowe, broken down by species, genus, and family.

Figure 2: Bee catch locations for Carrie Lowe (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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Ericameria* | 6308 | *Chaenactis* | 274 | *Rupertia* | 65 | *Anchusa* | 26 | *Alyssum* | 10 | *Apium* | 5 | *Actaea* | 2 |
| *Phacelia* | 4129 | *Acer* | 271 | *Adelinia* | 64 | *Dichelostemma* | 26 | *Cercis* | 10 | *Cistus* | 5 | *Allophyllum* | 2 |
| *Penstemon* | 3411 | *Sphaeralcea* | 271 | *Ageratina* | 64 | *Caryopteris* | 25 | *Doronicum* | 10 | *Corylus* | 5 | *Bauhinia* | 2 |
| *Grindelia* | 2796 | *Heracleum* | 270 | *Calyptridium* | 64 | *Navarretia* | 25 | *Echinops* | 10 | *Anthriscus* | 4 | *Betonica* | 2 |
| *Rubus* | 2658 | *Gaillardia* | 263 | *Glebionis* | 64 | *Pedicularis* | 25 | *Heliopsis* | 10 | *Aruncus* | 4 | *Bromus* | 2 |
| *Ceanothus* | 2352 | *Crataegus* | 261 | *Crocidium* | 62 | *Petrosedum* | 25 | *Hemerocallis* | 10 | *Asperugo* | 4 | *Cardionema* | 2 |
| *Cirsium* | 2349 | *Acmispon* | 258 | *Agoseris* | 60 | *Pieris* | 25 | *Kickxia* | 10 | *Beta* | 4 | *Castanea* | 2 |
| *Salix* | 2169 | *Gilia* | 247 | *Cotinus* | 60 | *Erysimum* | 24 | *Layia* | 10 | *Crassula* | 4 | *Celosia* | 2 |
| *Solidago* | 1914 | *Malus* | 243 | *Hirschfeldia* | 59 | *Lewisia* | 24 | *Liatris* | 10 | *Damasonium* | 4 | *Comandra* | 2 |
| *Potentilla* | 1842 | *Marah* | 234 | *Iliamna* | 59 | *Lobularia* | 24 | *Aliciella* | 9 | *Datura* | 4 | *Cormus* | 2 |
| *Prunus* | 1726 | *Vaccinium* | 225 | *Persicaria* | 59 | *Rhaponticum* | 24 | *Choisya* | 9 | *Elymus* | 4 | *Crocus* | 2 |
| *Chrysothamnus* | 1684 | *Veronica* | 213 | *Arbutus* | 57 | *Sambucus* | 24 | *Diplacus* | 9 | *Gypsophila* | 4 | *Cydonia* | 2 |
| *Eriogonum* | 1588 | *Philadelphus* | 204 | *Foeniculum* | 57 | *Stewartia* | 24 | *Draba* | 9 | *Helleborus* | 4 | *Danthonia* | 2 |
| *Helianthus* | 1563 | *Astragalus* | 202 | *Blepharipappus* | 56 | *Cardamine* | 23 | *Fraxinus* | 9 | *Holcus* | 4 | *Daphne* | 2 |
| *Lupinus* | 1506 | *Raphanus* | 199 | *Dalea* | 55 | *Chamaebatiaria* | 23 | *Lagophylla* | 9 | *Impatiens* | 4 | *Dianthus* | 2 |
| *Ribes* | 1419 | *Amsinckia* | 197 | *Eryngium* | 55 | *Phlox* | 23 | *Maianthemum* | 9 | *Kopsiopsis* | 4 | *Dipterostemon* | 2 |
| *Symphyotrichum* | 1418 | *Convolvulus* | 194 | *Lithospermum* | 55 | *Robinia* | 23 | *Melissa* | 9 | *Mutarda* | 4 | *Echinocystis* | 2 |
| *Hypochaeris* | 1393 | *Hydrophyllum* | 180 | *Mertensia* | 55 | *Smithiastrum* | 23 | *Mimulus* | 9 | *Paeonia* | 4 | *Eucephalus* | 2 |
| *Arctostaphylos* | 1332 | *Polemonium* | 179 | *Sorbus* | 54 | *Aralia* | 22 | *Papaver* | 9 | *Pastinaca* | 4 | *Festuca* | 2 |
| *Lomatium* | 1308 | *Taraxia* | 179 | *Lamium* | 53 | *Erythronium* | 22 | *Vernonia* | 9 | *Prosartes* | 4 | *Achlys* | 1 |
| *Taraxacum* | 1286 | *Coreopsis* | 178 | *Styrax* | 53 | *Leptosiphon* | 22 | *Vitex* | 9 | *Pseudognaphalium* | 4 | *Actinidia* | 1 |
| *Melilotus* | 1237 | *Iris* | 178 | *Antennaria* | 52 | *Pseudotsuga* | 22 | *Aesculus* | 8 | *Romanzoffia* | 4 | *Allotropa* | 1 |
| *Calochortus* | 1224 | *Amelanchier* | 177 | *Cynoglossum* | 52 | *Quercus* | 22 | *Aronia* | 8 | *Scabiosa* | 4 | *Alnus* | 1 |
| *Eriophyllum* | 1198 | *Arnica* | 166 | *Cytisus* | 52 | *Artemisia* | 21 | *Baptisia* | 8 | *Swainsona* | 4 | *Alstroemeria* | 1 |
| *Erigeron* | 1173 | *Angelica* | 158 | *Geum* | 52 | *Conium* | 21 | *Calandrinia* | 8 | *Tephroseris* | 4 | *Amaranthus* | 1 |
| *Lotus* | 1147 | *Delphinium* | 158 | *Ilex* | 52 | *Eurybia* | 21 | *Canadanthus* | 8 | *Tiarella* | 4 | *Anemone* | 1 |
| *Centaurea* | 1106 | *Medicago* | 158 | *Aurinia* | 51 | *Hemizonella* | 21 | *Cordylanthus* | 8 | *Tradescantia* | 4 | *Anethum* | 1 |
| *Trifolium* | 1070 | *Castilleja* | 154 | *Boykinia* | 51 | *Micranthes* | 21 | *Eruca* | 8 | *Triantha* | 4 | *Arctium* | 1 |
| *Leucanthemum* | 989 | *Calendula* | 142 | *Caragana* | 51 | *Sisyrinchium* | 21 | *Eupatorium* | 8 | *Tribulus* | 4 | *Argemone* | 1 |
| *Vicia* | 988 | *Nemophila* | 142 | *Viburnum* | 51 | *Cicuta* | 20 | *Ficaria* | 8 | *Tropaeolum* | 4 | *Atriplex* | 1 |
| *Chamaenerion* | 983 | *Tanacetum* | 139 | *Linum* | 50 | *Pinus* | 20 | *Lithodora* | 8 | *Zeltnera* | 4 | *Begonia* | 1 |
| *Balsamorhiza* | 914 | *Marrubium* | 138 | *Scandix* | 50 | *Populus* | 20 | *Nasturtium* | 8 | *Aegopodium* | 3 | *Betula* | 1 |
| *Lepidium* | 862 | *Cornus* | 135 | *Nothochelone* | 49 | *Bellardia* | 19 | *Phyllodoce* | 8 | *Armeria* | 3 | *Cacaliopsis* | 1 |
| *Achillea* | 828 | *Limnanthes* | 133 | *Brodiaea* | 48 | *Clematis* | 19 | *Poa* | 8 | *Asparagus* | 3 | *Calibrachoa* | 1 |
| *Apocynum* | 804 | *Verbena* | 129 | *Cotoneaster* | 48 | *Hymenoxys* | 19 | *Spergula* | 8 | *Astrantia* | 3 | *Carex* | 1 |
| *Mentha* | 786 | *Carduus* | 123 | *Tragopogon* | 48 | *Ladeania* | 19 | *Stanleya* | 8 | *Aucuba* | 3 | *Catalpa* | 1 |
| *Sidalcea* | 767 | *Mentzelia* | 122 | *Tetradymia* | 47 | *Abelia* | 18 | *Tagetes* | 8 | *Brunnera* | 3 | *Cerinthe* | 1 |
| *Ranunculus* | 765 | *Triteleia* | 118 | *Teucrium* | 47 | *Alisma* | 18 | *Xerophyllum* | 8 | *Buxus* | 3 | *Chaenomeles* | 1 |
| *Eschscholzia* | 764 | *Dasiphora* | 114 | *Echinacea* | 46 | *Amorpha* | 18 | *Ajuga* | 7 | *Calocedrus* | 3 | *Chamaemelum* | 1 |
| *Holodiscus* | 693 | *Dipsacus* | 112 | *Kolkwitzia* | 44 | *Euonymus* | 18 | *Centaurium* | 7 | *Camellia* | 3 | *Chimaphila* | 1 |
| *Allium* | 667 | *Hosackia* | 111 | *Orthocarpus* | 44 | *Physaria* | 18 | *Croton* | 7 | *Centranthus* | 3 | *Corydalis* | 1 |
| *Bellis* | 662 | *Lonicera* | 110 | *Stellaria* | 44 | *Salsola* | 18 | *Cymopterus* | 7 | *Centromadia* | 3 | *Cypripedium* | 1 |
| *Plagiobothrys* | 656 | *Frasera* | 109 | *Chrysolepis* | 43 | *Bassia* | 17 | *Delosperma* | 7 | *Chrysopsis* | 3 | *Eremothera* | 1 |
| *Camassia* | 648 | *Euthamia* | 108 | *Petroselinum* | 42 | *Olsynium* | 17 | *Eucryphia* | 7 | *Circaea* | 3 | *Filipendula* | 1 |
| *Spiraea* | 640 | *Bistorta* | 105 | *Aster* | 41 | *Vancouveria* | 17 | *Glandora* | 7 | *Clinopodium* | 3 | *Forsythia* | 1 |
| *Geranium* | 607 | *Dieteria* | 105 | *Gayophytum* | 41 | *Hydrangea* | 16 | *Gleditsia* | 7 | *Clintonia* | 3 | *Fremontodendron* | 1 |
| *Symphoricarpos* | 607 | *Malva* | 105 | *Ligusticum* | 41 | *Kelloggia* | 16 | *Heliotropium* | 7 | *Conioselinum* | 3 | *Fuchsia* | 1 |
| *Berberis* | 592 | *Anthemis* | 104 | *Primula* | 41 | *Lilium* | 16 | *Hyssopus* | 7 | *Crocosmia* | 3 | *Glechoma* | 1 |
| *Rosa* | 575 | *Bidens* | 104 | *Verbascum* | 41 | *Toxicodendron* | 16 | *Isatis* | 7 | *Cucumis* | 3 | *Gnaphalium* | 1 |
| *Jacobaea* | 555 | *Thymus* | 103 | *Columbiadoria* | 40 | *Zinnia* | 16 | *Kniphofia* | 7 | *Dahlia* | 3 | *Grayia* | 1 |
| *Senecio* | 533 | *Mahonia* | 101 | *Hieracium* | 40 | *Gentiana* | 15 | *Leucophysalis* | 7 | *Deutzia* | 3 | *Helianthemum* | 1 |
| *Salvia* | 520 | *Chondrilla* | 99 | *Leontodon* | 40 | *Jaumea* | 15 | *Oxalis* | 7 | *Fritillaria* | 3 | *Knautia* | 1 |
| *Rhus* | 493 | *Oenothera* | 97 | *Spergularia* | 40 | *Oenanthe* | 15 | *Parthenocissus* | 7 | *Galium* | 3 | *Lepechinia* | 1 |
| *Agastache* | 489 | *Stachys* | 97 | *Toxicoscordion* | 40 | *Scorzoneroides* | 15 | *Physalis* | 7 | *Garrya* | 3 | *Leucocrinum* | 1 |
| *Madia* | 484 | *Purshia* | 95 | *Barbarea* | 38 | *Boechera* | 14 | *Pilosella* | 7 | *Iva* | 3 | *Leycesteria* | 1 |
| *Daucus* | 482 | *Heterotheca* | 94 | *Linaria* | 38 | *Cakile* | 14 | *Sanguisorba* | 7 | *Lippia* | 3 | *Limonium* | 1 |
| *Sedum* | 457 | *Cleomella* | 93 | *Erica* | 36 | *Pyracantha* | 14 | *Townsendia* | 7 | *Microsteris* | 3 | *Linnaea* | 1 |
| *Clarkia* | 451 | *Cucurbita* | 93 | *Lithophragma* | 36 | *Umbellularia* | 14 | *Tulipa* | 7 | *Misopates* | 3 | *Ludwigia* | 1 |
| *Hackelia* | 436 | *Pyrus* | 93 | *Borago* | 35 | *Arabis* | 13 | *Abronia* | 6 | *Olea* | 3 | *Lunaria* | 1 |
| *Sisymbrium* | 430 | *Polygonum* | 91 | *Microseris* | 35 | *Cerastium* | 13 | *Antirrhinum* | 6 | *Osmanthus* | 3 | *Lycopus* | 1 |
| *Brassica* | 423 | *Plantago* | 89 | *Oreocarya* | 35 | *Dicentra* | 13 | *Arum* | 6 | *Pediomelum* | 3 | *Machaeranthera* | 1 |
| *Drymocallis* | 421 | *Thermopsis* | 89 | *Cercocarpus* | 34 | *Glycyrrhiza* | 13 | *Caltha* | 6 | *Petasites* | 3 | *Magnolia* | 1 |
| *Asclepias* | 411 | *Heuchera* | 88 | *Opuntia* | 34 | *Hylotelephium* | 13 | *Capsella* | 6 | *Phoenicaulis* | 3 | *Melaleuca* | 1 |
| *Claytonia* | 403 | *Perideridia* | 86 | *Pyrrocoma* | 34 | *Ipomopsis* | 13 | *Distichlis* | 6 | *Physostegia* | 3 | *Moenchia* | 1 |
| *Physocarpus* | 403 | *Doellingeria* | 84 | *Calystegia* | 33 | *Nothocalais* | 13 | *Galanthus* | 6 | *Silybum* | 3 | *Mycelis* | 1 |
| *Anaphalis* | 401 | *Fagopyrum* | 81 | *Agapanthus* | 32 | *Notholithocarpus* | 13 | *Gratiola* | 6 | *Valerianella* | 3 | *Nicotiana* | 1 |
| *Prunella* | 401 | *Trichostema* | 80 | *Campanula* | 32 | *Pentaglottis* | 13 | *Hastingsia* | 6 | *Vinca* | 3 | *Nuphar* | 1 |
| *Fragaria* | 394 | *Myosotis* | 79 | *Chorispora* | 32 | *Platanthera* | 13 | *Hemizonia* | 6 | *Hyacinthus* | 2 | *Nymphaea* | 1 |
| *Plectritis* | 381 | *Thlaspi* | 79 | *Collomia* | 32 | *Reynoutria* | 13 | *Hibiscus* | 6 | *Juglans* | 2 | *Onobrychis* | 1 |
| *Nepeta* | 376 | *Cosmos* | 78 | *Lasthenia* | 32 | *Sanicula* | 13 | *Ivesia* | 6 | *Ligularia* | 2 | *Oplopanax* | 1 |
| *Lavandula* | 372 | *Hesperochiron* | 78 | *Satureja* | 32 | *Scutellaria* | 13 | *Juniperus* | 6 | *Ligustrum* | 2 | *Osteospermum* | 1 |
| *Horkelia* | 352 | *Solanum* | 78 | *Eremogone* | 31 | *Teesdalia* | 13 | *Nestotus* | 6 | *Lobelia* | 2 | *Oxytheca* | 1 |
| *Lathyrus* | 347 | *Oreostemma* | 77 | *Escallonia* | 31 | *Tithonia* | 13 | *Rheum* | 6 | *Lysimachia* | 2 | *Parnassia* | 1 |
| *Wyethia* | 341 | *Syringa* | 77 | *Hyacinthoides* | 31 | *Abies* | 12 | *Securigera* | 6 | *Mochringia* | 2 | *Pediocactus* | 1 |
| *Monardella* | 339 | *Downingia* | 76 | *Scrophularia* | 31 | *Coriandrum* | 12 | *Tolmiea* | 6 | *Ocimum* | 2 | *Phedimus* | 1 |
| *Erythranthe* | 338 | *Digitalis* | 75 | *Alcea* | 30 | *Elaeagnus* | 12 | *Veronicastrum* | 6 | *Omphalodes* | 2 | *Platycodon* | 1 |
| *Rudbeckia* | 330 | *Erodium* | 75 | *Cuscuta* | 30 | *Sinapis* | 12 | *Eriastrum* | 5 | *Patrinia* | 2 | *Pleiacanthus* | 1 |
| *Gutierrezia* | 324 | *Oemleria* | 75 | *Aconitum* | 29 | *Weigela* | 12 | *Fagus* | 5 | *Pelargonium* | 2 | *Polystichum* | 1 |
| *Collinsia* | 321 | *Packera* | 74 | *Argentina* | 29 | *Arenaria* | 11 | *Hedera* | 5 | *Petunia* | 2 | *Rhamnus* | 1 |
| *Helenium* | 302 | *Rorippa* | 74 | *Lapsana* | 29 | *Buddleja* | 11 | *Hesperis* | 5 | *Picea* | 2 | *Romneya* | 1 |
| *Origanum* | 297 | *Baccharis* | 73 | *Sonchus* | 29 | *Kalmia* | 11 | *Inula* | 5 | *Portulaca* | 2 | *Santolina* | 1 |
| *Onopordum* | 294 | *Aquilegia* | 72 | *Wisteria* | 29 | *Luetkea* | 11 | *Lagerstroemia* | 5 | *Pulmonaria* | 2 | *Saponaria* | 1 |
| *Epilobium* | 293 | *Whipplea* | 72 | *Calluna* | 28 | *Matricaria* | 11 | *Laurus* | 5 | *Rumex* | 2 | *Sempervivum* | 1 |
| *Cichorium* | 291 | *Euphorbia* | 71 | *Cynara* | 28 | *Sherardia* | 11 | *Minuartia* | 5 | *Saussurea* | 2 | *Sixalix* | 1 |
| *Crepis* | 291 | *Frangula* | 70 | *Echium* | 28 | *Urtica* | 11 | *Montia* | 5 | *Silphium* | 2 | *Stokesia* | 1 |
| *Cryptantha* | 290 | *Gaultheria* | 70 | *Valeriana* | 28 | *Noccaea* | 10 | *Muscari* | 5 | *Skimmia* | 2 | *Streptanthus* | 1 |
| *Hypericum* | 286 | *Lactuca* | 70 | *Helianthella* | 27 | *Sabulina* | 10 | *Narthecium* | 5 | *Smyrnium* | 2 | *Styphnolobium* | 1 |
| *Descurainia* | 285 | *Viola* | 70 | *Kyhosia* | 27 | *Silene* | 10 | *Photinia* | 5 | *Tiquilia* | 2 | *Tilia* | 1 |
| *Eriodictyon* | 282 | *Sericocarpus* | 69 | *Tonella* | 27 | *Symphytum* | 10 | *Sarcobatus* | 5 | *Torilis* | 2 | *Trillium* | 1 |
| *Thelypodium* | 281 | *Monarda* | 66 | *Lythrum* | 26 | *Tellima* | 10 | *Smelowskia* | 5 | *Triodanis* | 2 | *Xerochrysum* | 1 |
| *Rhododendron* | 277 | *Stephanomeria* | 65 | *Narcissus* | 26 | | | *Tripleurospermum* | 5 | *Veratrum* | 2 | *Zantedeschia* | 1 |

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Phacelia* | 179 | *Fragaria* | 41 | *Aster* | 19 | *Coriandrum* | 10 | *Alyssum* | 5 | *Aliciella* | 3 | *Achlys* | 1 |
| *Penstemon* | 167 | *Triteleia* | 41 | *Boykinia* | 19 | *Cynara* | 10 | *Baptisia* | 5 | *Anthriscus* | 3 | *Actinidia* | 1 |
| *Ericameria* | 140 | *Angelica* | 40 | *Digitalis* | 19 | *Dicentra* | 10 | *Canadanthus* | 5 | *Armeria* | 3 | *Allotropa* | 1 |
| *Grindelia* | 133 | *Bellis* | 40 | *Alcea* | 18 | *Hymenoxys* | 10 | *Croton* | 5 | *Asparagus* | 3 | *Alnus* | 1 |
| *Rubus* | 129 | *Collinsia* | 40 | *Antennaria* | 18 | *Lythrum* | 10 | *Delosperma* | 5 | *Astrantia* | 3 | *Alstroemeria* | 1 |
| *Cirsium* | 126 | *Marrubium* | 40 | *Arbutus* | 18 | *Orthocarpus* | 10 | *Diplacus* | 5 | *Bassia* | 3 | *Amaranthus* | 1 |
| *Eriophyllum* | 123 | *Onopordum* | 40 | *Caragana* | 18 | *Primula* | 10 | *Galanthus* | 5 | *Boechera* | 3 | *Anemone* | 1 |
| *Erigeron* | 120 | *Lonicera* | 39 | *Cosmos* | 18 | *Calluna* | 9 | *Glandora* | 5 | *Brunnera* | 3 | *Anethum* | 1 |
| *Potentilla* | 120 | *Cryptantha* | 38 | *Hesperochiron* | 18 | *Erythronium* | 9 | *Heliotropium* | 5 | *Capsella* | 3 | *Arctium* | 1 |
| *Symphyotrichum* | 119 | *Heracleum* | 38 | *Hieracium* | 18 | *Euonymus* | 9 | *Isatis* | 5 | *Centromadia* | 3 | *Argemone* | 1 |
| *Solidago* | 117 | *Raphanus* | 38 | *Lactuca* | 18 | *Hydrangea* | 9 | *Kalmia* | 5 | *Chrysopsis* | 3 | *Atriplex* | 1 |
| *Ceanothus* | 115 | *Dasiphora* | 37 | *Lamium* | 18 | *Leptosiphon* | 9 | *Leucophysalis* | 5 | *Circaea* | 3 | *Aucuba* | 1 |
| *Melilotus* | 113 | *Medicago* | 37 | *Lasthenia* | 18 | *Narcissus* | 9 | *Matricaria* | 5 | *Clinopodium* | 3 | *Begonia* | 1 |
| *Lupinus* | 109 | *Anthemis* | 36 | *Ligusticum* | 18 | *Oreocarya* | 9 | *Notholithocarpus* | 5 | *Conioselinum* | 3 | *Betonica* | 1 |
| *Trifolium* | 109 | *Crataegus* | 35 | *Plantago* | 18 | *Petrosedum* | 9 | *Pilosella* | 5 | *Crassula* | 3 | *Betula* | 1 |
| *Eriogonum* | 108 | *Tanacetum* | 35 | *Adelinia* | 17 | *Platanthera* | 9 | *Rheum* | 5 | *Cucumis* | 3 | *Buxus* | 1 |
| *Salix* | 105 | *Claytonia* | 34 | *Columbiadoria* | 17 | *Salsola* | 9 | *Sambucus* | 5 | *Cymopterus* | 3 | *Cacaliopsis* | 1 |
| *Chrysothamnus* | 102 | *Eriodictyon* | 34 | *Cotoneaster* | 17 | *Scrophularia* | 9 | *Symphytum* | 5 | *Dahlia* | 3 | *Calibrachoa* | 1 |
| *Calochortus* | 100 | *Hydrophyllum* | 34 | *Downingia* | 17 | *Aconitum* | 8 | *Townsendia* | 5 | *Datura* | 3 | *Calocedrus* | 1 |
| *Chamaenerion* | 98 | *Castilleja* | 33 | *Foeniculum* | 17 | *Aronia* | 8 | *Abronia* | 4 | *Deutzia* | 3 | *Carex* | 1 |
| *Achillea* | 97 | *Cornus* | 33 | *Hirschfeldia* | 17 | *Bellardia* | 8 | *Aesculus* | 4 | *Echinops* | 3 | *Catalpa* | 1 |
| *Centaurea* | 96 | *Descurainia* | 33 | *Linaria* | 17 | *Cakile* | 8 | *Ajuga* | 4 | *Eriastrum* | 3 | *Cerinthe* | 1 |
| *Senecio* | 96 | *Oenothera* | 33 | *Linum* | 17 | *Cardamine* | 8 | *Aruncus* | 4 | *Fraxinus* | 3 | *Chaenomeles* | 1 |
| *Ribes* | 95 | *Rhus* | 33 | *Persicaria* | 17 | *Cercis* | 8 | *Asperugo* | 4 | *Fritillaria* | 3 | *Chamaemelum* | 1 |
| *Rosa* | 90 | *Amelanchier* | 32 | *Viburnum* | 17 | *Chorispora* | 8 | *Calandrinia* | 4 | *Galium* | 3 | *Chimaphila* | 1 |
| *Geranium* | 85 | *Dipsacus* | 32 | *Dichelostemma* | 16 | *Cuscuta* | 8 | *Choisya* | 4 | *Gleditsia* | 3 | *Clintonia* | 1 |
| *Leucanthemum* | 84 | *Marah* | 32 | *Kolkwitzia* | 16 | *Elaeagnus* | 8 | *Cistus* | 4 | *Actaea* | 2 | *Cormus* | 1 |
| *Prunus* | 84 | *Oreostemma* | 32 | *Lapsana* | 16 | *Escallonia* | 8 | *Cordylanthus* | 4 | *Aegopodium* | 2 | *Corydalis* | 1 |
| *Helianthus* | 83 | *Sphaeralcea* | 32 | *Leontodon* | 16 | *Hemizonella* | 8 | *Damasonium* | 4 | *Allophyllum* | 2 | *Corylus* | 1 |
| *Vicia* | 83 | *Coreopsis* | 31 | *Mertensia* | 16 | *Jaumea* | 8 | *Distichlis* | 4 | *Apium* | 2 | *Cypripedium* | 1 |
| *Allium* | 82 | *Delphinium* | 31 | *Nothochelone* | 16 | *Lobularia* | 8 | *Draba* | 4 | *Arum* | 2 | *Elymus* | 1 |
| *Camassia* | 81 | *Philadelphus* | 31 | *Stephanomeria* | 16 | *Pieris* | 8 | *Eruca* | 4 | *Bauhinia* | 2 | *Eremothera* | 1 |
| *Spiraea* | 81 | *Thymus* | 31 | *Styrax* | 16 | *Robinia* | 8 | *Hemerocallis* | 4 | *Beta* | 2 | *Fagus* | 1 |
| *Sidalcea* | 80 | *Vaccinium* | 31 | *Blepharipappus* | 15 | *Tonella* | 8 | *Hesperis* | 4 | *Bromus* | 2 | *Filipendula* | 1 |
| *Arctostaphylos* | 79 | *Acer* | 30 | *Crocidium* | 15 | *Weigela* | 8 | *Hibiscus* | 4 | *Camellia* | 2 | *Forsythia* | 1 |
| *Taraxacum* | 79 | *Carduus* | 30 | *Echinacea* | 15 | *Zinnia* | 8 | *Hylotelephium* | 4 | *Cardionema* | 2 | *Fremontodendron* | 1 |
| *Plagiobothrys* | 78 | *Frasera* | 30 | *Ilex* | 15 | *Abelia* | 7 | *Inula* | 4 | *Castanea* | 2 | *Fuchsia* | 1 |
| *Salvia* | 77 | *Amsinckia* | 29 | *Microseris* | 15 | *Agapanthus* | 7 | *Lagerstroemia* | 4 | *Celosia* | 2 | *Glechoma* | 1 |
| *Hypochaeris* | 76 | *Iliamna* | 29 | *Pyrrocoma* | 15 | *Amorpha* | 7 | *Layia* | 4 | *Centranthus* | 2 | *Gnaphalium* | 1 |
| *Lotus* | 75 | *Mentzelia* | 29 | *Trichostema* | 15 | *Aralia* | 7 | *Luetkea* | 4 | *Comandra* | 2 | *Grayia* | 1 |
| *Balsamorhiza* | 74 | *Nemophila* | 29 | *Borago* | 14 | *Cerastium* | 7 | *Melissa* | 4 | *Crocosmia* | 2 | *Helianthemum* | 1 |
| *Symphoricarpos* | 74 | *Polemonium* | 29 | *Collomia* | 14 | *Conium* | 7 | *Mimulus* | 4 | *Crocus* | 2 | *Holcus* | 1 |
| *Lomatium* | 72 | *Mahonia* | 28 | *Erysimum* | 14 | *Cotinus* | 7 | *Muscari* | 4 | *Cydonia* | 2 | *Hyacinthus* | 1 |
| *Anaphalis* | 71 | *Viola* | 28 | *Sonchus* | 14 | *Doronicum* | 7 | *Narthecium* | 4 | *Danthonia* | 2 | *Juglans* | 1 |
| *Erythranthe* | 70 | *Myosotis* | 27 | *Stellaria* | 14 | *Ficaria* | 7 | *Nasturtium* | 4 | *Daphne* | 2 | *Knautia* | 1 |
| *Agastache* | 69 | *Purshia* | 27 | *Tragopogon* | 14 | *Glycyrrhiza* | 7 | *Oenanthe* | 4 | *Dianthus* | 2 | *Lepechinia* | 1 |
| *Apocynum* | 68 | *Bistorta* | 26 | *Artemisia* | 13 | *Ipomopsis* | 7 | *Oxalis* | 4 | *Dipterostemon* | 2 | *Leucocrinum* | 1 |
| *Nepeta* | 68 | *Fagopyrum* | 26 | *Campanula* | 13 | *Lilium* | 7 | *Pastinaca* | 4 | *Echinocystis* | 2 | *Leycesteria* | 1 |
| *Asclepias* | 67 | *Packera* | 26 | *Cercocarpus* | 13 | *Olsynium* | 7 | *Photinia* | 4 | *Eucephalus* | 2 | *Limonium* | 1 |
| *Mentha* | 65 | *Solanum* | 26 | *Chrysolepis* | 13 | *Papaver* | 7 | *Phyllodoce* | 4 | *Eucryphia* | 2 | *Linnaea* | 1 |
| *Ranunculus* | 65 | *Verbena* | 26 | *Gayophytum* | 13 | *Pedicularis* | 7 | *Physalis* | 4 | *Festuca* | 2 | *Ludwigia* | 1 |
| *Wyethia* | 65 | *Whipplea* | 26 | *Heliantherella* | 13 | *Pentaglottis* | 7 | *Pinus* | 4 | *Garrya* | 2 | *Lunaria* | 1 |
| *Sisymbrium* | 64 | *Acmispon* | 25 | *Oemleria* | 13 | *Physaria* | 7 | *Quercus* | 4 | *Gratiola* | 2 | *Lycopus* | 1 |
| *Clarkia* | 62 | *Dalea* | 25 | *Phlox* | 13 | *Populus* | 7 | *Reynoutria* | 4 | *Kniphofia* | 2 | *Machaeranthera* | 1 |
| *Drymocallis* | 62 | *Doellingeria* | 25 | *Satureja* | 13 | *Sabulina* | 7 | *Romanzoffia* | 4 | *Kopsiopsis* | 2 | *Magnolia* | 1 |
| *Eschscholzia* | 61 | *Erodium* | 25 | *Sisyrinchium* | 13 | *Scandix* | 7 | *Scabiosa* | 4 | *Lagophylla* | 2 | *Melaleuca* | 1 |
| *Gilia* | 61 | *Monarda* | 25 | *Anchusa* | 12 | *Scutellaria* | 7 | *Swainsona* | 4 | *Laurus* | 2 | *Moenchia* | 1 |
| *Jacobaea* | 61 | *Polygonum* | 25 | *Argentina* | 12 | *Sinapis* | 7 | *Tithonia* | 4 | *Ligularia* | 2 | *Mycelis* | 1 |
| *Plectritis* | 61 | *Syringa* | 25 | *Baccharis* | 12 | *Tellima* | 7 | *Tradescantia* | 4 | *Ligustrum* | 2 | *Nicotiana* | 1 |
| *Hackelia* | 59 | *Calendula* | 24 | *Barbarea* | 12 | *Abies* | 6 | *Vancouveria* | 4 | *Lobelia* | 2 | *Nuphar* | 1 |
| *Rudbeckia* | 59 | *Cucurbita* | 24 | *Caryopteris* | 12 | *Antirrhinum* | 6 | *Veronicastrum* | 4 | *Lysimachia* | 2 | *Nymphaea* | 1 |
| *Sedum* | 59 | *Aquilegia* | 23 | *Chondrilla* | 12 | *Arenaria* | 6 | *Gypsophila* | 3 | *Microsteris* | 2 | *Ocimum* | 1 |
| *Thelypodium* | 58 | *Calyptridium* | 23 | *Erica* | 12 | *Aurinia* | 6 | *Hedera* | 3 | *Moehringia* | 2 | *Onobrychis* | 1 |
| *Brassica* | 55 | *Cleomella* | 23 | *Eryngium* | 12 | *Buddleja* | 6 | *Helleborus* | 3 | *Nothocalais* | 2 | *Oplopanax* | 1 |
| *Helenium* | 53 | *Cytisus* | 23 | *Eurybia* | 12 | *Caltha* | 6 | *Hemizonia* | 3 | *Olea* | 2 | *Osmanthus* | 1 |
| *Holodiscus* | 53 | *Hosackia* | 23 | *Heterotheca* | 12 | *Centaurium* | 6 | *Impatiens* | 3 | *Omphalodes* | 2 | *Osteospermum* | 1 |
| *Horkelia* | 53 | *Malva* | 23 | *Lithophragma* | 12 | *Cicuta* | 6 | *Iva* | 3 | *Parthenocissus* | 2 | *Oxytheca* | 1 |
| *Monardella* | 53 | *Ageratina* | 22 | *Navarretia* | 12 | *Eupatorium* | 6 | *Ivesia* | 3 | *Patrinia* | 2 | *Parnassia* | 1 |
| *Lepidium* | 52 | *Agoseris* | 22 | *Opuntia* | 12 | *Gentiana* | 6 | *Juniperus* | 3 | *Pelargonium* | 2 | *Pediocactus* | 1 |
| *Crepis* | 51 | *Brodiaea* | 22 | *Rupertia* | 12 | *Hastingsia* | 6 | *Lippia* | 3 | *Petunia* | 2 | *Phedimus* | 1 |
| *Lavandula* | 51 | *Dieteria* | 22 | *Spergularia* | 12 | *Heliopsis* | 6 | *Minuartia* | 3 | *Phoenicaulis* | 2 | *Platycodon* | 1 |
| *Berberis* | 50 | *Perideridia* | 22 | *Teucrium* | 12 | *Hyssopus* | 6 | *Misopates* | 3 | *Physostegia* | 2 | *Pleiacanthus* | 1 |
| *Chaenactis* | 50 | *Stachys* | 22 | *Valeriana* | 12 | *Kelloggia* | 6 | *Montia* | 3 | *Picea* | 2 | *Polystichum* | 1 |
| *Hypericum* | 49 | *Cynoglossum* | 21 | *Alisma* | 11 | *Kickxia* | 6 | *Mutarda* | 3 | *Portulaca* | 2 | *Rhamnus* | 1 |
| *Gaillardia* | 48 | *Euphorbia* | 21 | *Arabis* | 11 | *Kyhosia* | 6 | *Nestotus* | 3 | *Prosartes* | 2 | *Romneya* | 1 |
| *Prunella* | 48 | *Euthamia* | 21 | *Chamaebatiaria* | 11 | *Liatris* | 6 | *Paeonia* | 3 | *Pseudognaphalium* | 2 | *Santolina* | 1 |
| *Veronica* | 48 | *Geum* | 21 | *Clematis* | 11 | *Lithodora* | 6 | *Pediomelum* | 3 | *Pulmonaria* | 2 | *Saponaria* | 1 |
| *Madia* | 46 | *Bidens* | 20 | *Echium* | 11 | *Maianthemum* | 6 | *Petasites* | 3 | *Rumex* | 2 | *Sarcobatus* | 1 |
| *Lathyrus* | 45 | *Calystegia* | 20 | *Eremogone* | 11 | *Noccaea* | 6 | *Poa* | 3 | *Silphium* | 2 | *Saussurea* | 1 |
| *Taraxia* | 45 | *Frangula* | 20 | *Gaultheria* | 11 | *Petroselinum* | 6 | *Pyracantha* | 3 | *Smyrnium* | 2 | *Sempervivum* | 1 |
| *Cichorium* | 44 | *Gutierrezia* | 20 | *Hyacinthoides* | 11 | *Sanguisorba* | 6 | *Sanicula* | 3 | *Spergula* | 2 | *Sixalix* | 1 |
| *Epilobium* | 44 | *Limnanthes* | 20 | *Ladeania* | 11 | *Scorzoneroides* | 6 | *Securigera* | 3 | *Stanleya* | 2 | *Skimmia* | 1 |
| *Arnica* | 43 | *Lithospermum* | 20 | *Lewisia* | 11 | *Sherardia* | 6 | *Silybum* | 3 | *Tiarella* | 2 | *Stewartia* | 1 |
| *Astragalus* | 43 | *Rorippa* | 20 | *Micranthes* | 11 | *Silene* | 6 | *Smelowskia* | 3 | *Tolmiea* | 2 | *Stokesia* | 1 |
| *Iris* | 43 | *Thlaspi* | 20 | *Pseudotsuga* | 11 | *Tagetes* | 6 | *Tephroseris* | 3 | *Torilis* | 2 | *Streptanthus* | 1 |
| *Malus* | 43 | *Verbascum* | 20 | *Pyrus* | 11 | *Teesdalia* | 6 | *Triantha* | 3 | *Triodanis* | 2 | *Styphnolobium* | 1 |
| *Rhododendron* | 43 | *Glebionis* | 19 | *Rhaponticum* | 11 | *Toxicodendron* | 6 | *Tribulus* | 3 | *Tripleurospermum* | 2 | *Tilia* | 1 |
| *Convolvulus* | 42 | *Heuchera* | 19 | *Tetradymia* | 11 | *Vernonia* | 6 | *Tropaeolum* | 3 | *Tulipa* | 2 | *Tiquilia* | 1 |
| *Daucus* | 42 | *Sericocarpus* | 19 | *Toxicoscordion* | 11 | *Xerophyllum* | 6 | *Umbellularia* | 3 | *Veratrum* | 2 | *Trillium* | 1 |
| *Origanum* | 42 | *Sorbus* | 19 | *Wisteria* | 11 | *Vitex* | 5 | *Urtica* | 3 | *Zeltnera* | 2 | *Vinca* | 1 |
| *Physocarpus* | 42 | *Thermopsis* | 19 | *Smithiastrum* | 10 | | | *Valerianella* | 3 | *Zantedeschia* | 1 | *Xerochrysum* | 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 | Clatsop | Columbia | Coos | Crook | Curry | Deschutes | Douglas | Gilliam | Grant | Harney | Hood River | Jackson | Jefferson | Josephine | Klamath | Lake | Lane | Lincoln | Linn | Malheur | Marion | Morrow | Multnomah | Polk | Sherman | Tillamook | Umatilla | Union | Wallowa | Wasco | Washington | Wheeler | Yamhill | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Agapostemon* | 26 | 65 | 47 | 1 | 66 | 1 | 53 | 3 | 126 | 6 | 10 | 77 | 363 | 3 | 65 | 21 | 20 | 42 | 245 | 40 | 31 | 3 | 176 | 67 | 19 | 41 | 10 | 18 | 1 | 72 | 28 | 20 | 26 | 92 | 74 | 87 | 2045 |
| *Andrena* | 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 |
| *Anthidiellum* | 1 | 4 | 0 | 0 | 0 | 0 | 23 | 0 | 13 | 3 | 0 | 7 | 7 | 0 | 11 | 3 | 28 | 26 | 48 | 16 | 1 | 1 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 6 | 8 | 2 | 5 | 0 | 219 |
| *Anthidium* | 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 |
| *Anthophora* | 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 |
| *Anthophorula* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 |
| *Apis* | 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 |
| *Ashmeadiella* | 40 | 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 |
| *Atoposmia* | 17 | 0 | 1 | 0 | 0 | 0 | 2 | 2 | 4 | 2 | 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 |
| *Biastes* | 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 |
| *Bombus* | 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 |
| *Brachymelecta* | 4 | 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 | 0 | 3 | 1 | 1 | 0 | 1 | 7 | 0 | 446 |
| *Calliopsis* | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 20 | 32 | 0 | 0 | 34 | 11 | 1 | 7 | 46 | 63 | 34 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 18 | 0 | 3 | 0 | 0 | 1 | 0 | 3 | 0 | 288 |
| *Ceratina* | 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 |
| *Chelostoma* | 21 | 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 |
| *Coelioxys* | 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 |
| *Colletes* | 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 |
| *Diadasia* | 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 |
| *Dianthidium* | 50 | 2 | 1 | 0 | 0 | 0 | 79 | 7 | 76 | 5 | 0 | 31 | 79 | 3 | 110 | 12 | 115 | 50 | 72 | 13 | 1 | 3 | 71 | 0 | 4 | 0 | 0 | 1 | 0 | 10 | 1 | 15 | 10 | 0 | 19 | 1 | 841 |
| *Dioxys* | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 17 |
| *Dufourea* | 4 | 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 |
| *Epeolus* | 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 | 4 | 3 | 1 | 2 | 0 | 1 | 3 | 2 | 0 | 126 |
| *Eucera* | 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 |
| *Habropoda* | 9 | 1 | 1 | 0 | 0 | 8 | 6 | 6 | 104 | 5 | 1 | 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 |
| *Halictus* | 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 |
| *Heriades* | 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 |
| *Hesperapis* | 1 | 0 | 0 | 0 | 0 | 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 | 6 |
| *Holcopasites* | 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 | 0 | 5 |
| *Hoplitis* | 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 |
| *Hylaeus* | 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 |
| *Lasioglossum* | 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 |
| *Megachile* | 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 |
| *Melecta* | 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 | 0 | 2 | 0 | 3 | 5 | 9 | 18 | 1 | 9 | 1 | 136 |
| *Melissodes* | 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 |
| *Micralictoides* | 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 | 0 | 0 | 35 |
| *Neolarra* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| *Nomada* | 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 |
| *Nomia* | 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 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| *Oreopasites* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| *Osmia* | 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 |
| *Panurginus* | 18 | 42 | 60 | 3 | 6 | 0 | 35 | 15 | 1 | 7 | 65 | 6 | 38 | 104 | 15 | 0 | 321 | 6 | 13 | 82 | 42 | 22 | 33 | 146 | 0 | 95 | 8 | 0 | 4 | 20 | 7 | 125 | 35 | 231 | 36 | 38 | 1679 |
| *Peponapis* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 3 |
| *Perdita* | 35 | 10 | 0 | 0 | 0 | 0 | 99 | 12 | 314 | 0 | 62 | 76 | 209 | 2 | 92 | 47 | 87 | 56 | 287 | 0 | 0 | 1 | 180 | 1 | 2 | 0 | 0 | 390 | 0 | 17 | 0 | 24 | 96 | 53 | 69 | 15 | 2236 |
| *Protandrena* | 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 69 |
| *Protosmia* | 0 | 17 | 23 | 0 | 19 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 11 | 155 | 2 | 169 | 10 | 2 | 63 | 0 | 0 | 0 | 16 | 0 | 16 | 12 | 0 | 0 | 0 | 0 | 0 | 24 | 39 | 0 | 77 | 656 |
| *Pseudoanthidium* | 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 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 16 |
| *Sphecodes* | 5 | 48 | 11 | 4 | 38 | 7 | 50 | 9 | 130 | 7 | 1 | 19 | 37 | 19 | 86 | 16 | 65 | 22 | 40 | 52 | 46 | 9 | 6 | 26 | 3 | 13 | 23 | 10 | 8 | 9 | 9 | 17 | 10 | 75 | 31 | 63 | 1024 |
| *Stelis* | 5 | 4 | 2 | 0 | 2 | 2 | 13 | 0 | 26 | 0 | 8 | 20 | 28 | 11 | 12 | 12 | 37 | 10 | 20 | 2 | 1 | 2 | 2 | 8 | 0 | 5 | 1 | 3 | 0 | 4 | 10 | 6 | 4 | 4 | 1 | 5 | 270 |
| *Trachusa* | 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 | 0 | 0 | 0 | 0 | 0 | 14 |
| *Triepeolus* | 4 | 9 | 3 | 0 | 8 | 0 | 12 | 0 | 26 | 7 | 3 | 30 | 33 | 1 | 18 | 0 | 5 | 11 | 22 | 11 | 9 | 0 | 25 | 30 | 2 | 5 | 0 | 16 | 0 | 1 | 0 | 1 | 1 | 64 | 32 | 3 | 392 |
| *Xylocopa* | 0 | 7 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 18 | 0 | 85 | 30 | 2 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 179 |
| *Zacosmia* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 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 | 5 |
| *TOTAL* | 2454 | 4808 | 2266 | 405 | 2167 | 203 | 3280 | 1205 | 9218 | 1170 | 614 | 2968 | 5933 | 3079 | 6616 | 2561 | 7335 | 6514 | 5375 | 6206 | 2527 | 1607 | 3137 | 4457 | 421 | 2172 | 1506 | 1980 | 646 | 1612 | 1568 | 2397 | 4479 | 6763 | 2665 | 5856 | 118170 |

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

| | Baker | Benton | Clackamas | Clatsop | Columbia | Coos | Crook | Curry | Deschutes | Douglas | Gilliam | Grant | Harney | Hood River | Jackson | Jefferson | Josephine | Klamath | Lake | Lane | Lincoln | Linn | Malheur | Marion | Morrow | Multnomah | Polk | Sherman | Tillamook | Umatilla | Union | Wallowa | Wasco | Washington | Wheeler | Yamhill | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Agapostemon femoratus* | 1 | 0 | 0 | 0 | 0 | 0 | 33 | 0 | 24 | 0 | 2 | 40 | 204 | 0 | 2 | 3 | 0 | 13 | 118 | 0 | 0 | 0 | 69 | 0 | 0 | 0 | 0 | 1 | 0 | 29 | 0 | 0 | 0 | 0 | 1 | 0 | 540 |
| *Agapostemon melliventris* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| *Agapostemon subtilior* | 15 | 2 | 14 | 0 | 7 | 0 | 11 | 1 | 64 | 0 | 2 | 27 | 87 | 0 | 53 | 4 | 14 | 13 | 106 | 10 | 20 | 0 | 43 | 21 | 13 | 16 | 4 | 3 | 0 | 28 | 1 | 1 | 0 | 13 | 25 | 35 | 653 |
| *Agapostemon virescens* | 0 | 62 | 8 | 0 | 22 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 2 | 0 | 0 | 10 | 2 | 0 | 0 | 20 | 2 | 2 | 2 | 43 | 1 | 22 | 5 | 2 | 0 | 11 | 0 | 11 | 5 | 63 | 44 | 37 | 379 |
| *Andrena amphibola* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| *Andrena angustitarsata* | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 3 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 5 | 0 | 1 | 32 |
| *Andrena annectens* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| *Andrena astragali* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| *Andrena barbilabris* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Andrena birtwelli* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| *Andrena candida* | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 13 |
| *Andrena candidiformis* | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 13 |
| *Andrena cerasifolii* | 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 | 0 | 0 | 2 |
| *Andrena chapmanae* | 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 | 0 | 1 |
| *Andrena chlorogaster* | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 2 | 0 | 2 | 21 |
| *Andrena cleodora* | 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 | 0 | 0 | 1 |
| *Andrena commoda* | 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 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Andrena costillensis* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| *Andrena crataegi* | 0 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Andrena cressonii* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 1 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| *Andrena cupreotincta* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| *Andrena cyanophila* | 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 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Andrena evoluta* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| *Andrena fuscicauda* | 0 | 0 | 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 | 0 | 2 |
| *Andrena hippotes* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| *Andrena illinoiensis* | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 1 | 12 | 0 | 0 | 0 | 1 | 4 | 0 | 1 | 0 | 0 | 0 | 21 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 4 | 0 | 55 |
| *Andrena lawrencei* | 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 | 0 | 0 | 0 | 1 |
| *Andrena macoupinensis* | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 0 | 3 |
| *Andrena medionitens* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| *Andrena melanochroa* | 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 | 0 | 0 | 0 | 0 | 0 | 2 |
| *Andrena merriami* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Andrena microchlora* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 14 |
| *Andrena miranda* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 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 | 2 |
| *Andrena miserabilis* | 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 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Andrena nevadensis* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| *Andrena nigrocaerulea* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 28 |
| *Andrena nivalis* | 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 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| *Andrena nothocalaidis* | 0 | 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 | 0 | 0 | 2 |
| *Andrena pallidifovea* | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 | 4 | 0 | 0 | 2 | 1 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 25 |
| *Andrena perarmata* | 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 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| *Andrena perplexa* | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 0 | 4 | 29 |
| *Andrena piperi* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 45 | 0 | 0 | 1 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59 |
| *Andrena prunorum* | 13 | 32 | 2 | 0 | 8 | 0 | 4 | 5 | 52 | 0 | 5 | 6 | 17 | 0 | 33 | 12 | 9 | 28 | 11 | 9 | 5 | 1 | 7 | 18 | 3 | 11 | 5 | 11 | 1 | 31 | 8 | 8 | 8 | 16 | 16 | 31 | 426 |
| *Andrena salicifloris* | 0 | 0 | 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 | 0 | 2 |
| *Andrena scurra* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 44 |
| *Andrena sladeni* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| *Andrena striatifrons* | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 0 | 3 |
| *Andrena topazana* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 5 |
| *Andrena transnigra* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| *Andrena trevoris* | 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 | 0 | 0 | 0 | 0 | 1 |
| *Andrena vicina* | 0 | 0 | 8 | 0 | 2 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 15 | 0 | 0 | 49 |
| *Andrena vicinoides* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| *Andrena w-scripta* | 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 | 0 | 0 | 1 |
| *Andrena walleyi* | 0 | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 0 | 0 | 2 |
| *Anthidiellum robertsoni* | 1 | 4 | 0 | 0 | 0 | 0 | 23 | 0 | 13 | 3 | 0 | 7 | 7 | 0 | 11 | 3 | 28 | 26 | 48 | 16 | 1 | 1 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 6 | 8 | 2 | 5 | 0 | 219 |
| *Anthidium atrifrons* | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 16 | 2 | 1 | 1 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 41 |
| *Anthidium atripes* | 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 | 0 | 0 | 1 | 0 | 2 |
| *Anthidium banningense* | 2 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 42 |
| *Anthidium clypeodentatum* | 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 | 0 | 1 | 0 | 2 |
| *Anthidium edwardsii* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Anthidium emarginatum* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| *Anthidium formosum* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| *Anthidium illustre* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| *Anthidium maculosum* | 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 | 0 | 0 | 1 |
| *Anthidium manicatum* | 0 | 28 | 6 | 1 | 6 | 0 | 2 | 3 | 13 | 0 | 0 | 0 | 1 | 3 | 2 | 6 | 10 | 20 | 0 | 10 | 19 | 10 | 0 | 32 | 0 | 10 | 4 | 0 | 1 | 4 | 3 | 0 | 0 | 49 | 0 | 36 | 279 |
| *Anthidium mormonum* | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 10 | 2 | 0 | 1 | 3 | 1 | 5 | 9 | 4 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 68 |
| *Anthidium oblongatum* | 0 | 0 | 18 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 0 | 0 | 83 |
| *Anthidium palliventre* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 |
| *Anthidium placitum* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 |
| *Anthidium tenuiflorae* | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 3 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| *Anthidium utahense* | 0 | 1 | 0 | 0 | 0 | 0 | 15 | 0 | 2 | 2 | 1 | 3 | 0 | 0 | 12 | 0 | 12 | 5 | 2 | 8 | 0 | 0 | 0 | 7 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 76 |

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

| | Baker | Benton | Clackamas | Clatsop | Columbia | Coos | Crook | Curry | Deschutes | Douglas | Gilliam | Grant | Harney | Hood River | Jackson | Jefferson | Josephine | Klamath | Lake | Lane | Lincoln | Linn | Malheur | Marion | Morrow | Multnomah | Polk | Sherman | Tillamook | Umatilla | Union | Wallowa | Wasco | Washington | Wheeler | Yamhill | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Anthophora affabilis* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Anthophora albata* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| *Anthophora bomboides* | 5 | 0 | 3 | 0 | 1 | 0 | 1 | 3 | 1 | 0 | 0 | 4 | 3 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 2 | 34 |
| *Anthophora californica* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| *Anthophora crotchii* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Anthophora curta* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| *Anthophora edwardsii* | 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 | 2 | 0 | 0 | 0 | 0 | 2 |
| *Anthophora ezigua* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| *Anthophora maculifrons* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| *Anthophora pacifica* | 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 | 0 | 0 | 0 | 0 | 1 | 4 | 12 | 0 | 2 | 9 | 0 | 135 |
| *Anthophora peritomae* | 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 | 0 | 0 | 0 | 1 |
| *Anthophora porterae* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 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 |
| *Anthophora terminalis* | 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 | 0 | 1 | 1 | 0 | 0 | 0 | 4 | 50 |
| *Anthophora urbana* | 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 | 4 | 0 | 1 | 28 | 1 | 1119 |
| *Anthophora ursina* | 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 | 0 | 0 | 0 | 1 | 8 | 6 | 0 | 0 | 0 | 0 | 65 |
| *Anthophorula chionura* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 |
| *Apis mellifera* | 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 |
| *Ashmeadiella altadenae* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| *Ashmeadiella bucconis* | 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 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 77 |
| *Ashmeadiella cactorum* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| *Ashmeadiella californica* | 3 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 103 |
| *Ashmeadiella cubiceps* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| *Ashmeadiella difugita* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 31 |
| *Ashmeadiella foveata* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Ashmeadiella foziella* | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 1 | 0 | 0 | 4 | 0 | 4 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 26 |
| *Ashmeadiella prosopidis* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 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 | 3 |
| *Ashmeadiella timberlakei* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 4 | 4 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 26 |
| *Atoposmia abjecta* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 17 |
| *Atoposmia anthodyta* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| *Atoposmia copelandica* | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 13 | 6 | 0 | 5 | 5 | 2 | 3 | 6 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 64 |
| *Atoposmia elongata* | 4 | 0 | 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 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 62 |
| *Atoposmia oregona* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| *Atoposmia triodonta* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| *Biastes fulviventris* | 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 | 0 | 0 | 1 |
| *Bombus appositus* | 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 | 12 | 5 | 7 | 4 | 5 | 153 |
| *Bombus caliginosus* | 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 | 0 | 0 | 35 | 0 | 57 | 629 |
| *Bombus centralis* | 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 |
| *Bombus fervidus* | 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 |
| *Bombus flavidus* | 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 |
| *Bombus flavifrons* | 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 | 8 | 50 | 45 | 3 | 91 | 0 | 25 | 1163 |
| *Bombus griseocollis* | 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 |
| *Bombus huntii* | 35 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 128 | 0 | 1 | 27 | 196 | 0 | 1 | 16 | 2 | 24 | 45 | 0 | 0 | 0 | 63 | 1 | 3 | 0 | 1 | 4 | 0 | 17 | 16 | 4 | 4 | 0 | 3 | 0 | 631 |
| *Bombus impatiens* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Bombus insularis* | 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 | 0 | 0 | 1 | 10 | 0 | 7 | 0 | 0 | 0 | 7 | 229 |
| *Bombus melanopygus* | 0 | 77 | 50 | 13 | 25 | 15 | 3 | 73 | 21 | 6 | 0 | 0 | 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 |
| *Bombus mixtus* | 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 |
| *Bombus morrisoni* | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 29 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 4 | 4 | 1 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 57 |
| *Bombus nevadensis* | 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 | 10 | 8 | 3 | 147 |
| *Bombus occidentalis* | 1 | 0 | 3 | 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 | 0 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 72 |
| *Bombus rufocinctus* | 0 | 1 | 0 | 1 | 4 | 0 | 0 | 0 | 5 | 1 | 0 | 3 | 6 | 1 | 12 | 0 | 1 | 14 | 5 | 1 | 14 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 17 | 13 | 22 | 5 | 0 | 1 | 0 | 131 |
| *Bombus sitkensis* | 0 | 22 | 18 | 12 | 8 | 6 | 0 | 17 | 0 | 1 | 0 | 0 | 0 | 4 | 1 | 1 | 0 | 1 | 0 | 61 | 66 | 30 | 0 | 1 | 0 | 8 | 0 | 0 | 29 | 0 | 1 | 2 | 0 | 7 | 0 | 13 | 309 |
| *Bombus sylvicola* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 1 | 0 | 0 | 0 | 92 |
| *Bombus vagans* | 8 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 1 | 0 | 0 | 0 | 0 | 23 |
| *Bombus vancouverensis* | 57 | 3 | 36 | 0 | 0 | 0 | 100 | 0 | 173 | 83 | 0 | 252 | 235 | 174 | 198 | 36 | 3 | 356 | 144 | 166 | 2 | 194 | 1 | 28 | 12 | 0 | 0 | 0 | 0 | 54 | 61 | 109 | 1 | 0 | 45 | 4 | 2527 |
| *Bombus vandykei* | 0 | 0 | 2 | 0 | 1 | 0 | 7 | 0 | 104 | 1 | 0 | 2 | 0 | 20 | 47 | 20 | 12 | 55 | 5 | 2 | 0 | 4 | 0 | 3 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 85 | 3 | 1 | 0 | 378 |
| *Bombus vosnesenskii* | 2 | 152 | 91 | 36 | 109 | 22 | 23 | 294 | 214 | 96 | 2 | 0 | 2 | 127 | 200 | 98 | 111 | 530 | 54 | 251 | 178 | 60 | 0 | 238 | 0 | 154 | 35 | 8 | 56 | 2 | 1 | 0 | 98 | 364 | 8 | 276 | 3892 |
| *Brachymelecta californica* | 4 | 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 | 0 | 3 | 1 | 1 | 0 | 1 | 7 | 0 | 446 |
| *Calliopsis anthidia* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| *Calliopsis anthidius* | 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 | 0 | 0 | 1 |
| *Calliopsis coloradensis* | 7 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| *Calliopsis edwardsii* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 4 | 10 | 16 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 |
| *Calliopsis fracta* | 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 | 0 | 0 | 2 |
| *Calliopsis micheneri* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| *Calliopsis obscurella* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| *Calliopsis personata* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 1 | 0 | 0 | 1 | 0 | 3 | 0 | 11 |
| *Calliopsis scutellaris* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| *Calliopsis zenus* | 1 | 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 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| *Ceratina acantha* | 5 | 416 | 37 | 5 | 115 | 4 | 16 | 14 | 37 | 45 | 0 | 27 | 11 | 50 | 113 | 16 | 284 | 11 | 2 | 288 | 22 | 6 | 0 | 236 | 2 | 178 | 214 | 7 | 4 | 37 | 6 | 10 | 24 | 338 | 7 | 588 | 3175 |
| *Ceratina arizonensis* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| *Ceratina dallatorreana* | 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 | 0 | 0 | 1 |
| *Ceratina hurdi* | 0 | 0 | 0 | 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 | 0 | 0 | 0 | 0 | 2 |

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

| | Baker | Benton | Clackamas | Clatsop | Columbia | Coos | Crook | Curry | Deschutes | Douglas | Gilliam | Grant | Harney | Hood River | Jackson | Jefferson | Josephine | Klamath | Lake | Lane | Lincoln | Linn | Malheur | Marion | Morrow | Multnomah | Polk | Sherman | Tillamook | Umatilla | Union | Wallowa | Wasco | Washington | Wheeler | Yamhill | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Ceratina micheneri* | 0 | 40 | 2 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 12 | 1 | 0 | 47 | 0 | 1 | 0 | 24 | 0 | 26 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 82 | 291 |
| *Ceratina nanula* | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 10 | 0 | 0 | 0 | 1 | 0 | 3 | 4 | 14 | 14 | 4 | 3 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 63 |
| *Ceratina neomexicana* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| *Ceratina pacifica* | 1 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 26 | 0 | 1 | 3 | 9 | 0 | 0 | 0 | 2 | 2 | 13 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 6 | 0 | 100 |
| *Ceratina sequoiae* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| *Ceratina tejonensis* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 29 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 |
| *Chelostoma californicum* | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 0 | 3 |
| *Chelostoma minutum* | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 21 |
| *Chelostoma phaceliae* | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 40 | 0 | 0 | 3 | 1 | 0 | 0 | 1 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 |
| *Coeliozys alternata* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| *Coeliozys alternatus* | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 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 | 0 | 5 |
| *Coeliozys apacheorum* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| *Coelioxys banksi* | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 0 | 1 |
| *Coelioxys deani* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| *Coeliozys edita* | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 38 |
| *Coeliozys grindeliae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 6 | 1 | 1 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| *Coeliozys hirsutissimus* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 1 | 0 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| *Coeliozys moesta* | 1 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| *Coeliozys moestus* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| *Coeliozys novomexicanus* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| *Coeliozys octodentata* | 0 | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 1 |
| *Coeliozys octodentatus* | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 2 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| *Coeliozys porterae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| *Coeliozys rufitarsis* | 4 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 13 | 1 | 0 | 2 | 7 | 0 | 2 | 0 | 1 | 2 | 9 | 5 | 6 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 60 |
| *Coeliozys sayi* | 0 | 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 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| *Coeliozys serricaudatus* | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 6 |
| *Coeliozys sodalis* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| *Colletes centralis* | 0 | 0 | 0 | 0 | 0 | 0 | 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 |
| *Colletes coloradensis* | 0 | 0 | 0 | 0 | 0 | 0 | 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 |
| *Colletes compactus* | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 57 | 0 | 1 | 9 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 0 | 81 |
| *Colletes consors* | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 1 | 0 | 4 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 9 | 5 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 |
| *Colletes fulgidus* | 0 | 2 | 0 | 0 | 0 | 0 | 12 | 1 | 71 | 4 | 2 | 21 | 47 | 8 | 37 | 4 | 5 | 2 | 35 | 2 | 7 | 1 | 2 | 1 | 5 | 0 | 0 | 3 | 0 | 1 | 1 | 2 | 6 | 2 | 5 | 0 | 289 |
| *Colletes gypsicolens* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| *Colletes hurtii* | 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 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Colletes kincaidii* | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 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 | 1 | 0 | 5 |
| *Colletes ligatus* | 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 | 0 | 0 | 1 |
| *Colletes nigrifrons* | 4 | 0 | 0 | 0 | 0 | 0 | 31 | 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 | 0 | 0 | 0 | 0 | 36 |
| *Colletes phaceliae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| *Colletes simulans* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| *Colletes slevini* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| *Diadasia angusticeps* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| *Diadasia australis* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| *Diadasia bituberculata* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| *Diadasia diminuta* | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 16 | 0 | 0 | 1 | 17 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 82 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 153 |
| *Diadasia enavata* | 88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 133 | 0 | 0 | 0 | 0 | 10 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 261 |
| *Diadasia lutzi* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 36 |
| *Diadasia nigrifrons* | 15 | 1 | 0 | 0 | 0 | 0 | 8 | 0 | 1 | 14 | 0 | 27 | 13 | 0 | 8 | 0 | 20 | 44 | 4 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 4 | 0 | 1 | 9 | 2 | 183 |
| *Diadasia nitidifrons* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 1 | 3 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 17 |
| *Dianthidium curvatum* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 |
| *Dianthidium dubium* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| *Dianthidium heterulkei* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| *Dianthidium parvum* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| *Dianthidium platyurum* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| *Dianthidium plenum* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| *Dianthidium pudicum* | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 3 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 0 | 50 |
| *Dianthidium singulare* | 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 | 0 | 0 | 1 |
| *Dianthidium subparvum* | 1 | 1 | 0 | 0 | 0 | 0 | 20 | 4 | 13 | 0 | 0 | 5 | 6 | 0 | 12 | 1 | 3 | 2 | 17 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 0 | 94 |
| *Dianthidium ulkei* | 13 | 1 | 0 | 0 | 0 | 0 | 24 | 0 | 17 | 0 | 0 | 3 | 8 | 1 | 16 | 1 | 11 | 6 | 21 | 3 | 0 | 1 | 8 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 8 | 1 | 147 |
| *Dioxys aurifuscus* | 0 | 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 | 0 | 0 | 2 |
| *Dioxys pacificus* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| *Diozys pomonae* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| *Dufourea holocyanea* | 1 | 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 | 0 | 0 | 2 |
| *Dufourea trochantera* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 0 | 2 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 13 | 0 | 31 |
| *Dufourea versatilis* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Epeolus compactus* | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 10 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 21 |
| *Epeolus novomexicanus* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 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 | 4 |
| *Epeolus olympiellus* | 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 | 0 | 0 | 0 | 0 | 2 |
| *Eucera acerba* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 |
| *Eucera actuosa* | 12 | 2 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 8 | 8 | 0 | 0 | 5 | 0 | 1 | 3 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 32 | 0 | 18 | 24 | 131 |
| *Eucera amsinckiae* | 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 | 11 | 0 | 3 | 0 | 14 |
| *Eucera cordleyi* | 5 | 11 | 1 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 1 | 34 | 1 | 0 | 4 | 0 | 0 | 5 | 2 | 0 | 2 | 5 | 2 | 0 | 2 | 0 | 2 | 6 | 1 | 2 | 12 | 110 |

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

| | Baker | Benton | Clackamas | Clatsop | Columbia | Coos | Crook | Curry | Deschutes | Douglas | Gilliam | Grant | Harney | Hood River | Jackson | Jefferson | Josephine | Klamath | Lake | Lane | Lincoln | Linn | Malheur | Marion | Morrow | Multnomah | Polk | Sherman | Tillamook | Umatilla | Union | Wallowa | Wasco | Washington | Wheeler | Yamhill | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Eucera edwardsii* | 6 | 5 | 3 | 0 | 0 | 0 | 2 | 0 | 7 | 0 | 0 | 6 | 4 | 1 | 1 | 2 | 0 | 0 | 1 | 12 | 0 | 0 | 6 | 9 | 0 | 4 | 16 | 2 | 0 | 16 | 1 | 3 | 4 | 5 | 5 | 30 | 151 |
| *Eucera frater* | 3 | 16 | 0 | 0 | 3 | 1 | 4 | 0 | 1 | 0 | 0 | 2 | 3 | 0 | 8 | 10 | 5 | 1 | 8 | 30 | 0 | 1 | 0 | 4 | 0 | 0 | 3 | 0 | 1 | 6 | 5 | 5 | 33 | 20 | 5 | 22 | 200 |
| *Eucera fulvitarsis* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| *Eucera hurdi* | 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 | 0 | 0 | 1 |
| *Eucera lunata* | 0 | 13 | 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 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 23 |
| *Eucera virgata* | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 8 | 0 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 24 |
| *Habropoda cineraria* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 29 |
| *Habropoda dammersi* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 3 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78 |
| *Habropoda depressa* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| *Habropoda miserabilis* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 |
| *Habropoda tristissima* | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 0 | 0 | 0 | 25 |
| *Halictus confusus* | 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 | 45 | 27 | 0 | 6 | 8 | 4 | 4 | 0 | 86 | 1 | 40 | 535 |
| *Halictus farinosus* | 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 |
| *Halictus ligatus* | 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 |
| *Halictus rubicundus* | 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 |
| *Halictus tripartitus* | 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 |
| *Halictus virgatellus* | 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 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 420 |
| *Heriades carinata* | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 55 |
| *Heriades carinatus* | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 15 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 1 | 0 | 1 | 0 | 0 | 0 | 24 | 0 | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 2 | 70 |
| *Heriades cressoni* | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 25 | 4 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 |
| *Heriades variolosus* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 3 |
| *Hesperapis carinata* | 1 | 0 | 0 | 0 | 0 | 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 | 6 |
| *Holcopasites pulchellus* | 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 | 0 | 5 |
| *Hoplitis albifrons* | 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 | 0 | 1 | 2 | 0 | 1 | 1 | 0 | 90 |
| *Hoplitis boharti* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| *Hoplitis emarginata* | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 11 | 0 | 0 | 0 | 0 | 9 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 |
| *Hoplitis fulgida* | 3 | 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 | 2 | 5 | 0 | 0 | 3 | 0 | 152 |
| *Hoplitis grinnelli* | 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 | 1 | 9 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 4 | 51 |
| *Hoplitis hypocrita* | 3 | 1 | 0 | 0 | 0 | 0 | 6 | 0 | 14 | 0 | 0 | 3 | 6 | 0 | 2 | 6 | 5 | 0 | 2 | 2 | 0 | 0 | 10 | 6 | 0 | 0 | 2 | 2 | 0 | 1 | 0 | 0 | 5 | 1 | 1 | 2 | 80 |
| *Hoplitis louisae* | 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 | 4 | 0 | 0 | 0 | 0 | 23 |
| *Hoplitis orthognatha* | 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 | 2 | 6 | 0 | 0 | 0 | 0 | 10 |
| *Hoplitis plagiostoma* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| *Hoplitis producta* | 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 |
| *Hoplitis remotula* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| *Hoplitis sambuci* | 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 | 5 | 0 | 2 | 0 | 1 | 2 | 0 | 7 | 0 | 43 |
| *Hoplitis uvulalis* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| *Hoplitis viridimicans* | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| *Hylaeus Mesillae* | 11 | 1 | 0 | 0 | 3 | 0 | 1 | 0 | 15 | 1 | 0 | 0 | 10 | 0 | 3 | 2 | 6 | 0 | 12 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 6 | 92 |
| *Hylaeus basalis* | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 3 | 0 | 0 | 6 | 7 | 6 | 18 | 10 | 3 | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 67 |
| *Hylaeus mesillae* | 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 |
| *Hylaeus nunenmacheri* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| *Lasioglossum aberrans* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 57 |
| *Lasioglossum albipenne* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 7 |
| *Lasioglossum albohirtum* | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 42 | 0 | 1 | 0 | 3 | 0 | 6 | 9 | 0 | 2 | 9 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 10 | 0 | 2 | 0 | 0 | 14 | 0 | 1 | 0 | 116 |
| *Lasioglossum allonotus* | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 17 | 0 | 31 | 0 | 0 | 6 | 0 | 2 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 3 | 7 | 3 | 0 | 6 | 85 |
| *Lasioglossum anhypops* | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 49 | 0 | 0 | 6 | 10 | 3 | 11 | 7 | 5 | 8 | 10 | 12 | 0 | 3 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 4 | 2 | 2 | 0 | 0 | 2 | 0 | 143 |
| *Lasioglossum argemonis* | 0 | 1 | 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 | 2 | 0 | 0 | 7 | 4 | 4 | 121 |
| *Lasioglossum aspilurum* | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 2 | 5 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 3 | 0 | 0 | 1 | 0 | 10 | 0 | 54 |
| *Lasioglossum boreale* | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 2 | 2 | 0 | 2 | 4 | 6 | 1 | 3 | 2 | 5 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 5 | 6 | 0 | 0 | 2 | 4 | 54 |
| *Lasioglossum brunneiventre* | 0 | 1 | 0 | 0 | 0 | 0 | 12 | 0 | 5 | 0 | 7 | 2 | 1 | 0 | 1 | 0 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 0 | 0 | 0 | 0 | 4 | 0 | 8 | 0 | 62 |
| *Lasioglossum buccale* | 0 | 1 | 2 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 32 |
| *Lasioglossum cembrilacus* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| *Lasioglossum colatum* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 12 |
| *Lasioglossum cooleyi* | 39 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 5 | 0 | 1 | 3 | 6 | 0 | 15 | 7 | 38 | 8 | 9 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 11 | 3 | 17 | 13 | 0 | 8 | 1 | 205 |
| *Lasioglossum cordleyi* | 22 | 6 | 2 | 0 | 10 | 0 | 0 | 9 | 0 | 2 | 0 | 0 | 0 | 4 | 38 | 1 | 90 | 40 | 0 | 18 | 27 | 0 | 0 | 8 | 0 | 2 | 5 | 7 | 0 | 1 | 0 | 0 | 21 | 17 | 0 | 69 | 399 |
| *Lasioglossum cressonii* | 0 | 51 | 9 | 2 | 21 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 67 | 4 | 1 | 2 | 18 | 1 | 28 | 53 | 0 | 1 | 0 | 2 | 0 | 1 | 70 | 0 | 68 | 405 |
| *Lasioglossum dashwoodi* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 10 |
| *Lasioglossum diatretum* | 7 | 2 | 0 | 0 | 0 | 0 | 67 | 1 | 34 | 0 | 0 | 13 | 17 | 2 | 24 | 28 | 12 | 59 | 61 | 1 | 0 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 10 | 8 | 4 | 0 | 4 | 14 | 4 | 378 |
| *Lasioglossum diversopunctatum* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 14 |
| *Lasioglossum ebmerellum* | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 13 |
| *Lasioglossum egregium* | 3 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 1 | 7 | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 5 | 1 | 0 | 0 | 2 | 0 | 40 |
| *Lasioglossum glabriventre* | 3 | 1 | 2 | 0 | 0 | 0 | 3 | 0 | 7 | 0 | 0 | 2 | 10 | 3 | 6 | 5 | 5 | 15 | 5 | 15 | 2 | 2 | 4 | 9 | 0 | 10 | 2 | 0 | 0 | 2 | 0 | 1 | 1 | 11 | 3 | 0 | 129 |
| *Lasioglossum helianthi* | 6 | 29 | 0 | 0 | 3 | 0 | 7 | 2 | 46 | 1 | 1 | 6 | 14 | 0 | 16 | 13 | 27 | 49 | 6 | 6 | 1 | 0 | 15 | 8 | 2 | 9 | 2 | 14 | 0 | 0 | 3 | 2 | 33 | 38 | 19 | 17 | 395 |
| *Lasioglossum hudsoniellum* | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 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 | 3 |
| *Lasioglossum hyalinum* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| *Lasioglossum incompletum* | 21 | 43 | 3 | 0 | 6 | 0 | 7 | 0 | 8 | 3 | 2 | 2 | 23 | 0 | 18 | 3 | 13 | 35 | 6 | 10 | 0 | 1 | 54 | 15 | 0 | 0 | 6 | 3 | 0 | 11 | 4 | 2 | 39 | 26 | 9 | 22 | 395 |
| *Lasioglossum inconditum* | 8 | 9 | 8 | 0 | 8 | 1 | 42 | 1 | 5 | 3 | 0 | 14 | 17 | 12 | 11 | 2 | 12 | 11 | 21 | 40 | 8 | 6 | 1 | 9 | 0 | 0 | 0 | 0 | 6 | 24 | 24 | 33 | 0 | 23 | 0 | 33 | 392 |
| *Lasioglossum kincaidii* | 0 | 3 | 2 | 1 | 1 | 0 | 0 | 1 | 31 | 5 | 0 | 0 | 2 | 0 | 14 | 2 | 6 | 24 | 0 | 5 | 1 | 4 | 0 | 14 | 0 | 2 | 9 | 2 | 0 | 0 | 0 | 0 | 2 | 7 | 2 | 6 | 146 |
| *Lasioglossum knereri* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 | 0 | 2 | 0 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| *Lasioglossum laevissimum* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 32 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 38 |
| *Lasioglossum lusorium* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 19 |

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

| | Baker | Benton | Clackamas | Clatsop | Columbia | Coos | Crook | Curry | Deschutes | Douglas | Gilliam | Grant | Harney | Hood River | Jackson | Jefferson | Josephine | Klamath | Lake | Lane | Lincoln | Linn | Malheur | Marion | Morrow | Multnomah | Polk | Sherman | Tillamook | Umatilla | Union | Wallowa | Wasco | Washington | Wheeler | Yamhill | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Lasioglossum macoupinense* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 3 | 2 | 14 |
| *Lasioglossum macroprosopum* | 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 | 0 | 0 | 0 | 0 | 0 | 3 |
| *Lasioglossum marinense* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 9 |
| *Lasioglossum megastictum* | 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 | 0 | 0 | 2 |
| *Lasioglossum mellipes* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 15 | 1 | 13 | 16 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 1 | 2 | 69 |
| *Lasioglossum nevadense* | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 28 | 0 | 0 | 5 | 2 | 0 | 2 | 0 | 5 | 1 | 2 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 12 | 0 | 3 | 1 | 1 | 7 | 10 | 1 | 0 | 89 |
| *Lasioglossum nigrum* | 0 | 1 | 1 | 0 | 3 | 0 | 2 | 0 | 8 | 6 | 0 | 1 | 4 | 3 | 16 | 3 | 6 | 5 | 6 | 14 | 1 | 8 | 0 | 4 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 7 | 0 | 4 | 0 | 4 | 112 |
| *Lasioglossum novascotiae* | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 5 |
| *Lasioglossum occultum* | 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 | 0 | 5 | 25 | 0 | 60 | 233 |
| *Lasioglossum olympiae* | 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 | 0 | 3 | 25 | 3 | 28 | 95 | 0 | 108 | 907 |
| *Lasioglossum orthocarpi* | 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 | 0 | 0 | 8 |
| *Lasioglossum ovaliceps* | 2 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 12 | 0 | 0 | 1 | 3 | 3 | 7 | 2 | 5 | 2 | 11 | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 1 | 2 | 1 | 70 |
| *Lasioglossum pacatum* | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 16 |
| *Lasioglossum pacificum* | 0 | 13 | 17 | 0 | 6 | 1 | 0 | 4 | 0 | 1 | 0 | 0 | 0 | 3 | 3 | 0 | 7 | 2 | 0 | 23 | 28 | 0 | 0 | 19 | 0 | 5 | 1 | 0 | 5 | 0 | 0 | 0 | 7 | 28 | 0 | 16 | 189 |
| *Lasioglossum pavonotum* | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 8 | 0 | 7 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 15 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95 |
| *Lasioglossum prasinogaster* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| *Lasioglossum pruinosum* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | 5 | 1 | 0 | 0 | 8 | 0 | 4 | 0 | 0 | 5 | 0 | 3 | 0 | 46 |
| *Lasioglossum pulveris* | 14 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 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 |
| *Lasioglossum punctatoventre* | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 18 |
| *Lasioglossum quebecense* | 0 | 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 | 0 | 0 | 0 | 2 | 0 | 4 | 18 |
| *Lasioglossum robustum* | 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 | 0 | 0 | 0 | 28 |
| *Lasioglossum ruidosense* | 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 |
| *Lasioglossum sandhousiellum* | 0 | 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 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 22 |
| *Lasioglossum sedi* | 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 | 0 | 5 | 0 | 10 |
| *Lasioglossum sequoiae* | 0 | 0 | 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 |
| *Lasioglossum sisymbrii* | 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 | 0 | 7 | 9 | 18 | 9 | 27 | 3 | 35 | 428 |
| *Lasioglossum tegulariforme* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 14 |
| *Lasioglossum tenax* | 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 | 0 | 0 | 0 | 0 | 0 | 8 |
| *Lasioglossum testaceum* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| *Lasioglossum timberlakei* | 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 | 0 | 0 | 0 | 0 | 1 |
| *Lasioglossum titusi* | 1 | 251 | 64 | 8 | 31 | 0 | 12 | 4 | 1 | 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 |
| *Lasioglossum trizonatum* | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 3 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 3 | 3 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 39 |
| *Lasioglossum tuolumnense* | 0 | 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 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| *Lasioglossum villosulum* | 0 | 60 | 40 | 18 | 45 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 38 | 91 | 14 | 0 | 65 | 0 | 27 | 6 | 1 | 33 | 0 | 0 | 0 | 18 | 62 | 0 | 75 | 605 |
| *Lasioglossum yukonae* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Lasioglossum zephyrus* | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 23 | 0 | 1 | 9 | 0 | 2 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 59 |
| *Lasioglossum zonulum* | 0 | 9 | 6 | 10 | 14 | 2 | 0 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 18 | 37 | 0 | 0 | 8 | 0 | 7 | 2 | 0 | 7 | 0 | 0 | 0 | 0 | 7 | 0 | 2 | 137 |
| *Megachile addenda* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 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 | 7 |
| *Megachile angelarum* | 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 |
| *Megachile anograe* | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| *Megachile apicalis* | 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 |
| *Megachile brevis* | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 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 | 3 | 0 | 0 | 17 |
| *Megachile centuncularis* | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 1 | 1 | 0 | 3 | 0 | 0 | 4 | 1 | 3 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| *Megachile cleomis* | 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 | 0 | 0 | 0 | 0 | 1 |
| *Megachile coquilletti* | 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 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| *Megachile fidelis* | 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 |
| *Megachile frigida* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| *Megachile gemula* | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 16 |
| *Megachile gentilis* | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| *Megachile gravita* | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 12 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 1 | 43 |
| *Megachile inermis* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| *Megachile inimica* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| *Megachile lapponica* | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 5 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 24 |
| *Megachile lippiae* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Megachile melanophaea* | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 0 | 5 | 1 | 2 | 3 | 0 | 2 | 0 | 2 | 6 | 1 | 4 | 0 | 3 | 2 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 48 |
| *Megachile mellitarsis* | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 4 | 0 | 1 | 10 | 0 | 1 | 0 | 0 | 2 | 7 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 |
| *Megachile montivaga* | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 1 | 18 |
| *Megachile nevadensis* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 11 | 26 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 44 |
| *Megachile onobrychidis* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| *Megachile parallela* | 12 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 95 | 0 | 2 | 0 | 1 | 4 | 1 | 1 | 0 | 0 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 175 |
| *Megachile perihirta* | 2 | 14 | 1 | 2 | 2 | 0 | 8 | 13 | 65 | 9 | 0 | 16 | 17 | 4 | 17 | 2 | 6 | 29 | 15 | 32 | 40 | 6 | 3 | 31 | 1 | 2 | 3 | 0 | 1 | 5 | 1 | 2 | 0 | 2 | 7 | 1 | 359 |
| *Megachile pseudonigra* | 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 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| *Megachile pugnata* | 0 | 5 | 0 | 1 | 0 | 0 | 8 | 0 | 6 | 3 | 0 | 10 | 1 | 31 | 5 | 0 | 4 | 13 | 33 | 3 | 0 | 13 | 0 | 9 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 149 |
| *Megachile relativa* | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| *Megachile rotundata* | 1 | 30 | 2 | 0 | 8 | 0 | 0 | 0 | 21 | 0 | 0 | 2 | 4 | 3 | 3 | 6 | 28 | 79 | 0 | 11 | 0 | 1 | 0 | 62 | 7 | 4 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 14 | 0 | 7 | 305 |
| *Megachile subnigra* | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 5 | 0 | 4 | 5 | 6 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| *Megachile texana* | 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 | 0 | 0 | 0 | 0 | 1 |
| *Megachile umatillensis* | 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 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| *Megachile wheeleri* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 2 | 1 | 5 | 1 | 7 | 1 | 2 | 2 | 23 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 61 |
| *Melecta edwardsii* | 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 | 15 | 0 | 0 | 0 | 15 |
| *Melecta pacifica* | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 6 | 3 | 0 | 1 | 2 | 4 | 1 | 8 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 0 | 0 | 2 | 0 | 40 |

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

| | Baker | Benton | Clackamas | Clatsop | Columbia | Coos | Crook | Curry | Deschutes | Douglas | Gilliam | Grant | Harney | Hood River | Jackson | Jefferson | Josephine | Klamath | Lake | Lane | Lincoln | Linn | Malheur | Marion | Morrow | Multnomah | Polk | Sherman | Tillamook | Umatilla | Union | Wallowa | Wasco | Washington | Wheeler | Yamhill | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Melecta separata* | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 4 | 0 | 0 | 1 | 4 | 0 | 0 | 1 | 6 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 1 | 35 |
| *Melecta thoracica* | 0 | 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 | 0 | 0 | 0 | 0 | 8 |
| *Melissodes agilis* | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 8 |
| *Melissodes bimatris* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 8 | 1 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 10 | 0 | 1 | 0 | 38 |
| *Melissodes clarkiae* | 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 | 0 | 0 | 0 | 0 | 0 | 6 |
| *Melissodes communis* | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 | 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 | 10 |
| *Melissodes dagosus* | 0 | 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 | 0 | 0 | 0 | 0 | 5 |
| *Melissodes lupinus* | 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 | 0 | 1 | 2 | 72 | 5 | 42 | 503 |
| *Melissodes lustrus* | 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 | 0 | 0 | 0 | 0 | 1 |
| *Melissodes metenuus* | 2 | 7 | 1 | 0 | 0 | 0 | 25 | 3 | 0 | 0 | 0 | 5 | 1 | 0 | 2 | 0 | 0 | 3 | 2 | 13 | 2 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 3 | 87 |
| *Melissodes microstictus* | 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 | 0 | 4 | 0 | 0 | 0 | 5 | 0 | 11 | 221 |
| *Melissodes pallidisignatus* | 0 | 12 | 0 | 0 | 0 | 0 | 2 | 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 | 15 |
| *Melissodes rivalis* | 1 | 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 | 0 | 0 | 0 | 1 | 1 | 1 | 39 |
| *Melissodes robustior* | 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 | 1 | 0 | 0 | 0 | 21 | 0 | 1 | 101 |
| *Melissodes semilupinus* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| *Micralictoides ruficaudus* | 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 | 0 | 0 | 35 |
| *Neolarra vigilans* | 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 | 0 | 0 | 0 | 0 | 1 |
| *Nomia melanderi* | 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 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| *Osmia aglaia* | 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 | 0 | 0 | 0 | 16 |
| *Osmia albolateralis* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| *Osmia atriventris* | 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 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Osmia atrocyanea* | 7 | 3 | 0 | 0 | 1 | 0 | 3 | 0 | 1 | 0 | 1 | 4 | 4 | 0 | 9 | 5 | 8 | 2 | 0 | 6 | 0 | 1 | 0 | 10 | 0 | 0 | 1 | 0 | 0 | 3 | 1 | 2 | 0 | 1 | 7 | 7 | 87 |
| *Osmia bakeri* | 0 | 0 | 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 | 0 | 0 | 0 | 2 |
| *Osmia bella* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 7 |
| *Osmia brevis* | 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 | 0 | 0 | 1 | 5 | 6 | 0 | 0 | 1 | 0 | 113 |
| *Osmia bruneri* | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 10 | 0 | 1 | 17 | 22 | 0 | 11 | 3 | 7 | 0 | 17 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 | 0 | 3 | 0 | 4 | 3 | 0 | 5 | 0 | 119 |
| *Osmia bucephala* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 12 |
| *Osmia caerulescens* | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| *Osmia californica* | 1 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 1 | 0 | 0 | 3 | 3 | 0 | 1 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 27 |
| *Osmia calla* | 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 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 96 |
| *Osmia cara* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| *Osmia caraformis* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 9 |
| *Osmia cobaltina* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 4 | 0 | 16 |
| *Osmia coloradensis* | 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 | 1 | 0 | 3 | 0 | 0 | 2 | 1 | 45 |
| *Osmia cornifrons* | 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 | 0 | 11 | 0 | 0 | 26 |
| *Osmia cyanella* | 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 | 2 | 0 | 2 | 2 | 1 | 4 | 3 | 82 |
| *Osmia densa* | 7 | 1 | 1 | 0 | 0 | 0 | 12 | 1 | 7 | 4 | 0 | 8 | 2 | 2 | 16 | 7 | 90 | 3 | 8 | 3 | 0 | 4 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 5 | 7 | 8 | 1 | 0 | 0 | 2 | 202 |
| *Osmia dolerosa* | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| *Osmia ednae* | 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 | 0 | 0 | 2 |
| *Osmia enixa* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 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 | 6 |
| *Osmia exigua* | 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 | 1 | 2 | 1 | 0 | 0 | 0 | 1 | 44 |
| *Osmia gabrielis* | 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 | 0 | 0 | 2 |
| *Osmia gaudiosa* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 9 |
| *Osmia giliarum* | 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 | 1 | 1 |
| *Osmia glauca* | 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 | 0 | 0 | 0 | 0 | 8 |
| *Osmia integra* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 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 | 9 |
| *Osmia inurbana* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| *Osmia juxta* | 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 | 1 | 0 | 2 | 0 | 0 | 1 | 1 | 39 |
| *Osmia kincaidii* | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 18 | 0 | 0 | 3 | 10 | 0 | 11 | 2 | 20 | 4 | 10 | 2 | 0 | 0 | 0 | 5 | 1 | 0 | 4 | 4 | 0 | 10 | 0 | 7 | 9 | 2 | 1 | 13 | 146 |
| *Osmia laeta* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 | 4 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 19 |
| *Osmia lanei* | 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 | 0 | 0 | 1 |
| *Osmia lignaria* | 3 | 17 | 1 | 0 | 12 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 2 | 14 | 8 | 4 | 14 | 1 | 0 | 0 | 5 | 0 | 6 | 3 | 0 | 3 | 2 | 3 | 20 | 3 | 6 | 1 | 21 | 153 |
| *Osmia longula* | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 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 | 0 | 0 | 0 | 5 |
| *Osmia malina* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 11 |
| *Osmia melanopleura* | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 8 |
| *Osmia montana* | 6 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 9 | 1 | 0 | 6 | 1 | 0 | 4 | 16 | 18 | 5 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 3 | 23 | 0 | 8 | 0 | 125 |
| *Osmia nemoris* | 0 | 16 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 7 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 8 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 65 |
| *Osmia nifoata* | 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 | 0 | 0 | 1 |
| *Osmia nigrifrons* | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 3 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 15 |
| *Osmia nigriventris* | 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 | 0 | 0 | 0 | 0 | 1 |
| *Osmia obliqua* | 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 | 1 | 1 | 0 | 0 | 0 | 3 |
| *Osmia odontogaster* | 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 | 2 | 0 | 0 | 0 | 0 | 3 |
| *Osmia paradisica* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Osmia phaceliae* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| *Osmia physariae* | 0 | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 1 |
| *Osmia pikei* | 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 | 0 | 0 | 0 | 0 | 1 |
| *Osmia proxima* | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 4 | 28 |
| *Osmia pusilla* | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| *Osmia rawlinsi* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Osmia regulina* | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 6 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 1 | 0 | 9 | 0 | 0 | 1 | 0 | 3 | 0 | 34 |
| *Osmia ribifloris* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 34 |

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

| | Baker | Benton | Clackamas | Clatsop | Columbia | Coos | Crook | Curry | Deschutes | Douglas | Gilliam | Grant | Harney | Hood River | Jackson | Jefferson | Josephine | Klamath | Lake | Lane | Lincoln | Linn | Malheur | Marion | Morrow | Multnomah | Polk | Sherman | Tillamook | Umatilla | Union | Wallowa | Wasco | Washington | Wheeler | Yamhill | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Osmia rostrata* | 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 | 0 | 0 | 0 | 0 | 1 |
| *Osmia sanrafaelae* | 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 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Osmia simillima* | 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 | 1 | 0 | 0 | 0 | 0 | 2 |
| *Osmia sladeni* | 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 | 0 | 0 | 0 | 1 |
| *Osmia tanneri* | 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 | 0 | 0 | 0 | 0 | 1 |
| *Osmia tersula* | 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 | 0 | 0 | 0 | 0 | 1 |
| *Osmia texana* | 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 | 0 | 1 |
| *Osmia tristella* | 0 | 0 | 1 | 0 | 0 | 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 | 2 | 0 | 0 | 0 | 1 | 1 | 6 |
| *Osmia vandykei* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| *Osmia visenda* | 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 | 0 | 0 | 1 |
| *Peponapis pruinosa* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 3 |
| *Perdita albipennis* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| *Perdita nevadensis* | 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 | 1 | 1 |
| *Protosmia rubifloris* | 0 | 17 | 23 | 0 | 19 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 11 | 155 | 2 | 169 | 10 | 2 | 63 | 0 | 0 | 0 | 16 | 0 | 16 | 12 | 0 | 0 | 0 | 0 | 0 | 24 | 39 | 0 | 77 | 656 |
| *Pseudoanthidium nanum* | 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 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 16 |
| *Sphecodes arvensiformis* | 0 | 1 | 0 | 1 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 3 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 2 | 25 |
| *Sphecodes davisii* | 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 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 12 |
| *Sphecodes kincaidii* | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 14 |
| *Sphecodes olympicus* | 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 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Sphecodes pecosensis* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 15 |
| *Stelis ashmeadiellae* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| *Stelis carnifex* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| *Stelis laticincta* | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 17 | 1 | 0 | 1 | 0 | 0 | 0 | 7 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 39 |
| *Stelis monticola* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 6 |
| *Stelis rubi* | 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 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Stelis subemarginata* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 6 |
| *Trachusa timberlakei* | 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 | 0 | 0 | 0 | 0 | 0 | 14 |
| *Triepeolus argyreus* | 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 | 0 | 0 | 0 | 2 |
| *Triepeolus californicus* | 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 | 0 | 0 | 1 |
| *Triepeolus concavus* | 0 | 0 | 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 | 0 | 0 | 0 | 0 | 4 |
| *Triepeolus helianthi* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| *Triepeolus heterurus* | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 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 | 5 | 0 | 11 |
| *Triepeolus lunatus* | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Triepeolus melanarius* | 0 | 4 | 0 | 0 | 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 | 0 | 8 | 0 | 1 | 20 |
| *Triepeolus paenepectoralis* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 9 |
| *Triepeolus utahensis* | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 10 |
| *Xylocopa californica* | 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 | 0 | 0 | 0 | 0 | 21 |
| *Xylocopa tabaniformis* | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 17 | 0 | 55 | 17 | 1 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 116 |
| *Xylocopa virginica* | 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 | 0 | 0 | 0 | 0 | 0 | 7 |
| *Zacosmia maculata* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 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 | 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** | | | |
| *Andrenidae* | 1171 | 1121 | 95.7 |
| *Apidae* | 3080 | 3039 | 98.7 |
| *Colletidae* | 422 | 396 | 93.8 |
| *Halictidae* | 2297 | 2266 | 98.7 |
| *Megachilidae* | 3020 | 2970 | 98.3 |
| *Melittidae* | 4 | 1 | 25.0 |
| *TOTAL* | 9994 | 9793 | 98.0 |
| **Genus** | | | |
| *Agapostemon* | 86 | 86 | 100.0 |
| *Andrena* | 682 | 662 | 97.1 |
| *Anthidiellum* | 30 | 7 | 23.3 |
| *Anthidium* | 125 | 124 | 99.2 |
| *Anthophora* | 198 | 184 | 92.9 |
| *Apis* | 85 | 85 | 100.0 |
| *Ashmeadiella* | 58 | 47 | 81.0 |
| *Atoposmia* | 46 | 44 | 95.7 |
| *Biastes* | 3 | 3 | 100.0 |
| *Bombus* | 1671 | 1670 | 99.9 |
| *Brachymelecta* | 5 | 5 | 100.0 |
| *Calliopsis* | 21 | 10 | 47.6 |
| *Ceratina* | 273 | 268 | 98.2 |
| *Chelostoma* | 27 | 24 | 88.9 |
| *Coelioxys* | 43 | 42 | 97.7 |
| *Colletes* | 265 | 245 | 92.5 |
| *Diadasia* | 71 | 59 | 83.1 |
| *Dianthidium* | 97 | 78 | 80.4 |
| *Dioxys* | 2 | 1 | 50.0 |
| *Dufourea* | 53 | 52 | 98.1 |
| *Epeolus* | 10 | 9 | 90.0 |
| *Eucera* | 60 | 57 | 95.0 |
| *Habropoda* | 49 | 47 | 95.9 |
| *Halictus* | 902 | 862 | 95.6 |
| *Heriades* | 40 | 29 | 72.5 |
| *Hesperapis* | 4 | 1 | 25.0 |
| *Holcopasites* | 1 | 1 | 100.0 |
| *Hoplitis* | 231 | 195 | 84.4 |
| *Hylaeus* | 157 | 151 | 96.2 |

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

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

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

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

# 7 Taxonomic Accuracy, All Years

Over your time in the Atlas you identified 44 of your 100 specimens to genus level and 23 to species level, with a genus-level identification accuracy of 97.7% and a species-level identification accuracy of 78.3% (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** | | | |
| *Andrenidae* | 11 | 11 | 100.0 |
| *Apidae* | 15 | 15 | 100.0 |
| *Halictidae* | 13 | 13 | 100.0 |
| *Megachilidae* | 5 | 4 | 80.0 |
| *TOTAL* | 44 | 43 | 97.7 |
| **Genus** | | | |
| *Andrena* | 11 | 11 | 100.0 |
| *Anthophora* | 2 | 2 | 100.0 |
| *Apis* | 2 | 2 | 100.0 |
| *Bombus* | 11 | 11 | 100.0 |
| *Halictus* | 10 | 10 | 100.0 |
| *Hoplitis* | 1 | 0 | 0.0 |
| *Lasioglossum* | 3 | 3 | 100.0 |
| *Osmia* | 4 | 4 | 100.0 |
| *TOTAL* | 44 | 43 | 97.7 |
| **Species** | | | |
| *Apis mellifera* | 2 | 2 | 100.0 |
| *Bombus centralis* | 1 | 1 | 100.0 |
| *Bombus fervidus* | 4 | 2 | 50.0 |
| *Bombus mixtus* | 2 | 2 | 100.0 |
| *Bombus morrisoni* | 1 | 0 | 0.0 |
| *Bombus vancouverensis* | 2 | 2 | 100.0 |
| *Halictus tripartitus* | 10 | 10 | 100.0 |
| *Osmia montana* | 1 | 1 | 100.0 |
| *TOTAL* | 23 | 20 | 87.0 |

Table 8: Determination accuracy for all volunteers.

| Taxon | Specimens ID-ed | Correct ID | % Correct |
|---|---|---|---|
| **Family** | | | |
| *Andrenidae* | 6786 | 6064 | 89.4 |
| *Apidae* | 17614 | 17375 | 98.6 |
| *Colletidae* | 2847 | 2685 | 94.3 |
| *Halictidae* | 14510 | 14302 | 98.6 |
| *Megachilidae* | 11434 | 11275 | 98.6 |
| *Melittidae* | 4 | 1 | 25.0 |
| *TOTAL* | 53195 | 51702 | 97.2 |
| **Genus** | | | |
| *Agapostemon* | 965 | 961 | 99.6 |
| *Andrena* | 4750 | 4155 | 87.5 |
| *Anthidiellum* | 56 | 24 | 42.9 |
| *Anthidium* | 546 | 539 | 98.7 |

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

| Taxon | Specimens ID-ed | Correct ID | % Correct |
|---|---|---|---|
| *Anthophora* | 1213 | 1144 | 94.3 |
| *Apis* | 594 | 585 | 98.5 |
| *Ashmeadiella* | 342 | 291 | 85.1 |
| *Atoposmia* | 137 | 93 | 67.9 |
| *Biastes* | 8 | 6 | 75.0 |
| *Bombus* | 7802 | 7774 | 99.6 |
| *Brachymelecta* | 95 | 71 | 74.7 |
| *Calliopsis* | 98 | 57 | 58.2 |
| *Ceratina* | 2971 | 2923 | 98.4 |
| *Chelostoma* | 82 | 63 | 76.8 |
| *Coelioxys* | 152 | 143 | 94.1 |
| *Colletes* | 1346 | 1229 | 91.3 |
| *Diadasia* | 368 | 322 | 87.5 |
| *Dianthidium* | 314 | 280 | 89.2 |
| *Dioxys* | 6 | 3 | 50.0 |
| *Dufourea* | 260 | 217 | 83.5 |
| *Epeolus* | 61 | 43 | 70.5 |
| *Eucera* | 635 | 583 | 91.8 |
| *Habropoda* | 279 | 259 | 92.8 |
| *Halictus* | 5622 | 5393 | 95.9 |
| *Heriades* | 223 | 179 | 80.3 |
| *Hesperapis* | 4 | 1 | 25.0 |
| *Holcopasites* | 1 | 1 | 100.0 |
| *Hoplitis* | 748 | 605 | 80.9 |
| *Hylaeus* | 1500 | 1454 | 96.9 |
| *Lasioglossum* | 7189 | 6828 | 95.0 |
| *Megachile* | 2279 | 2223 | 97.5 |
| *Melecta* | 72 | 69 | 95.8 |
| *Melissodes* | 2045 | 1860 | 91.0 |
| *Micralictoides* | 16 | 14 | 87.5 |
| *Neolarra* | 3 | 3 | 100.0 |
| *Nomada* | 1220 | 1164 | 95.4 |
| *Nomia* | 2 | 2 | 100.0 |
| *Oreopasites* | 3 | 0 | 0.0 |
| *Osmia* | 6165 | 6055 | 98.2 |
| *Panurginus* | 750 | 567 | 75.6 |
| *Perdita* | 1147 | 1060 | 92.4 |
| *Protandrena* | 27 | 9 | 33.3 |
| *Protosmia* | 268 | 212 | 79.1 |
| *Pseudoanthidium* | 6 | 3 | 50.0 |
| *Sphecodes* | 454 | 354 | 78.0 |
| *Stelis* | 97 | 64 | 66.0 |
| *Trachusa* | 8 | 7 | 87.5 |
| *Triepeolus* | 176 | 147 | 83.5 |
| *Xylocopa* | 62 | 60 | 96.8 |
| *Zacosmia* | 1 | 1 | 100.0 |
| *TOTAL* | 53168 | 50100 | 94.2 |
| **Species** | | | |
| *Agapostemon femoratus* | 181 | 171 | 94.5 |
| *Agapostemon melliventris* | 14 | 14 | 100.0 |
| *Agapostemon subtilior* | 228 | 214 | 93.9 |
| *Agapostemon virescens* | 109 | 95 | 87.2 |

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

| Taxon | Specimens ID-ed | Correct ID | % Correct |
|---|---|---|---|
| *Andrena angustitarsata* | 18 | 18 | 100.0 |
| *Andrena astragali* | 1 | 1 | 100.0 |
| *Andrena chlorogaster* | 2 | 2 | 100.0 |
| *Andrena crataegi* | 1 | 1 | 100.0 |
| *Andrena cupreotincta* | 14 | 14 | 100.0 |
| *Andrena fuscicauda* | 2 | 2 | 100.0 |
| *Andrena illinoiensis* | 1 | 1 | 100.0 |
| *Andrena nigrocaerulea* | 2 | 2 | 100.0 |
| *Andrena pallidifovea* | 1 | 1 | 100.0 |
| *Andrena perplexa* | 1 | 1 | 100.0 |
| *Andrena piperi* | 3 | 2 | 66.7 |
| *Andrena prunorum* | 34 | 34 | 100.0 |
| *Andrena salicifloris* | 2 | 2 | 100.0 |
| *Andrena vicina* | 4 | 3 | 75.0 |
| *Anthidiellum robertsoni* | 19 | 19 | 100.0 |
| *Anthidium atrifrons* | 3 | 3 | 100.0 |
| *Anthidium banningense* | 5 | 5 | 100.0 |
| *Anthidium duomarginatum* | 1 | 0 | 0.0 |
| *Anthidium emarginatum* | 5 | 0 | 0.0 |
| *Anthidium manicatum* | 53 | 44 | 83.0 |
| *Anthidium mormonum* | 12 | 12 | 100.0 |
| *Anthidium oblongatum* | 14 | 14 | 100.0 |
| *Anthidium palliventre* | 33 | 30 | 90.9 |
| *Anthidium placitum* | 1 | 1 | 100.0 |
| *Anthidium tenuiflorae* | 2 | 2 | 100.0 |
| *Anthidium utahense* | 3 | 3 | 100.0 |
| *Anthophora bomboides* | 3 | 3 | 100.0 |
| *Anthophora californica* | 1 | 0 | 0.0 |
| *Anthophora neglecta* | 3 | 0 | 0.0 |
| *Anthophora pacifica* | 3 | 3 | 100.0 |
| *Anthophora urbana* | 251 | 249 | 99.2 |
| *Anthophora ursina* | 2 | 0 | 0.0 |
| *Apis mellifera* | 492 | 488 | 99.2 |
| *Ashmeadiella aridula* | 1 | 0 | 0.0 |
| *Ashmeadiella californica* | 1 | 1 | 100.0 |
| *Ashmeadiella clypeodentata* | 1 | 0 | 0.0 |
| *Ashmeadiella cubiceps* | 2 | 1 | 50.0 |
| *Ashmeadiella difugita* | 1 | 0 | 0.0 |
| *Ashmeadiella eurynorhyncha* | 1 | 0 | 0.0 |
| *Ashmeadiella timberlakei* | 1 | 1 | 100.0 |
| *Atoposmia abjecta* | 3 | 3 | 100.0 |
| *Atoposmia copelandica* | 6 | 6 | 100.0 |
| *Atoposmia oregona* | 4 | 3 | 75.0 |
| *Atoposmia triodonta* | 1 | 0 | 0.0 |
| *Bombus Griseocollis* | 1 | 0 | 0.0 |
| *Bombus Mixtus* | 8 | 0 | 0.0 |
| *Bombus Nevadensis* | 1 | 0 | 0.0 |
| *Bombus appositus* | 48 | 36 | 75.0 |
| *Bombus caliginosus* | 345 | 273 | 79.1 |
| *Bombus centralis* | 201 | 187 | 93.0 |
| *Bombus fervidus* | 362 | 325 | 89.8 |
| *Bombus flavidus* | 145 | 134 | 92.4 |

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

| Taxon | Specimens ID-ed | Correct ID | % Correct |
|---|---|---|---|
| *Bombus flavifrons* | 541 | 454 | 83.9 |
| *Bombus frigidus* | 5 | 0 | 0.0 |
| *Bombus griseocollis* | 140 | 138 | 98.6 |
| *Bombus huntii* | 160 | 139 | 86.9 |
| *Bombus insularis* | 33 | 25 | 75.8 |
| *Bombus kirbiellus* | 1 | 0 | 0.0 |
| *Bombus melanopygus* | 328 | 274 | 83.5 |
| *Bombus mixtus* | 956 | 877 | 91.7 |
| *Bombus morrisoni* | 11 | 10 | 90.9 |
| *Bombus nevadensis* | 65 | 58 | 89.2 |
| *Bombus occidentalis* | 33 | 27 | 81.8 |
| *Bombus rufocinctus* | 58 | 36 | 62.1 |
| *Bombus sitkensis* | 195 | 147 | 75.4 |
| *Bombus suckleyi* | 2 | 0 | 0.0 |
| *Bombus sylvicola* | 69 | 31 | 44.9 |
| *Bombus vagans* | 24 | 8 | 33.3 |
| *Bombus vancouverensis* | 829 | 802 | 96.7 |
| *Bombus vandykei* | 86 | 62 | 72.1 |
| *Bombus vosnesenskii* | 1378 | 1284 | 93.2 |
| *Brachymelecta californica* | 45 | 43 | 95.6 |
| *Calliopsis zonalis* | 1 | 0 | 0.0 |
| *Ceratina acantha* | 679 | 665 | 97.9 |
| *Ceratina micheneri* | 44 | 43 | 97.7 |
| *Ceratina nanula* | 3 | 2 | 66.7 |
| *Ceratina neomexicana* | 1 | 1 | 100.0 |
| *Ceratina pacifica* | 8 | 6 | 75.0 |
| *Ceratina sequoiae* | 5 | 0 | 0.0 |
| *Ceratina tejonensis* | 7 | 2 | 28.6 |
| *Ceratina timberlakei* | 5 | 0 | 0.0 |
| *Chelostoma minutum* | 1 | 1 | 100.0 |
| *Coelioxys alternatus* | 1 | 0 | 0.0 |
| *Coelioxys rufitarsis* | 4 | 0 | 0.0 |
| *Coelioxys sayi* | 2 | 2 | 100.0 |
| *Coelioxys texanus* | 4 | 0 | 0.0 |
| *Diadasia angusticeps* | 7 | 7 | 100.0 |
| *Diadasia australis* | 4 | 4 | 100.0 |
| *Diadasia diminuta* | 17 | 17 | 100.0 |
| *Diadasia enavata* | 100 | 99 | 99.0 |
| *Diadasia lutzi* | 28 | 6 | 21.4 |
| *Diadasia nigrifrons* | 9 | 9 | 100.0 |
| *Diadasia opuntiae* | 8 | 0 | 0.0 |
| *Dianthidium curvatum* | 22 | 22 | 100.0 |
| *Dianthidium heterulkei* | 9 | 0 | 0.0 |
| *Dianthidium pudicum* | 12 | 12 | 100.0 |
| *Dianthidium subparvum* | 3 | 3 | 100.0 |
| *Dianthidium ulkei* | 24 | 17 | 70.8 |
| *Dioxys aurifuscus* | 2 | 2 | 100.0 |
| *Eucera actuosa* | 11 | 10 | 90.9 |
| *Eucera cordleyi* | 18 | 4 | 22.2 |
| *Eucera edwardsii* | 48 | 20 | 41.7 |
| *Eucera frater* | 8 | 8 | 100.0 |
| *Eucera speciosa* | 19 | 0 | 0.0 |

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

| Taxon | Specimens ID-ed | Correct ID | % Correct |
|---|---|---|---|
| *Habropoda depressa* | 4 | 4 | 100.0 |
| *Habropoda miserabilis* | 7 | 6 | 85.7 |
| *Habropoda tristissima* | 3 | 2 | 66.7 |
| *Halictus Ligatus* | 4 | 0 | 0.0 |
| *Halictus confusus* | 149 | 122 | 81.9 |
| *Halictus farinosus* | 284 | 246 | 86.6 |
| *Halictus ligatus* | 1475 | 1464 | 99.3 |
| *Halictus rubicundus* | 361 | 333 | 92.2 |
| *Halictus tripartitus* | 723 | 684 | 94.6 |
| *Halictus virgatellus* | 114 | 109 | 95.6 |
| *Heriades carinata* | 2 | 0 | 0.0 |
| *Holcopasites pulchellus* | 1 | 1 | 100.0 |
| *Hoplitis albifrons* | 5 | 5 | 100.0 |
| *Hoplitis boharti* | 2 | 2 | 100.0 |
| *Hoplitis colei* | 1 | 0 | 0.0 |
| *Hoplitis emarginata* | 1 | 1 | 100.0 |
| *Hoplitis fulgida* | 7 | 7 | 100.0 |
| *Hoplitis grinnelli* | 8 | 5 | 62.5 |
| *Hoplitis hypocrita* | 1 | 1 | 100.0 |
| *Hoplitis louisae* | 2 | 2 | 100.0 |
| *Hoplitis orthognatha* | 7 | 7 | 100.0 |
| *Hoplitis producta* | 12 | 10 | 83.3 |
| *Hoplitis uvulalis* | 3 | 3 | 100.0 |
| *Hoplitis viridimicans* | 6 | 4 | 66.7 |
| *Hylaeus basalis* | 6 | 3 | 50.0 |
| *Hylaeus mesillae* | 1 | 0 | 0.0 |
| *Hylaeus verticalis* | 1 | 0 | 0.0 |
| *Lasioglossum albipenne* | 3 | 3 | 100.0 |
| *Lasioglossum albohirtum* | 7 | 7 | 100.0 |
| *Lasioglossum allonotus* | 1 | 1 | 100.0 |
| *Lasioglossum anhypops* | 6 | 5 | 83.3 |
| *Lasioglossum aspilurum* | 2 | 2 | 100.0 |
| *Lasioglossum athabascense* | 2 | 0 | 0.0 |
| *Lasioglossum boreale* | 2 | 2 | 100.0 |
| *Lasioglossum brunneiventre* | 4 | 4 | 100.0 |
| *Lasioglossum buccale* | 3 | 3 | 100.0 |
| *Lasioglossum colatum* | 1 | 1 | 100.0 |
| *Lasioglossum cooleyi* | 24 | 1 | 4.2 |
| *Lasioglossum cordleyi* | 5 | 5 | 100.0 |
| *Lasioglossum cressonii* | 30 | 30 | 100.0 |
| *Lasioglossum diatretum* | 5 | 3 | 60.0 |
| *Lasioglossum diversopunctatum* | 4 | 4 | 100.0 |
| *Lasioglossum egregium* | 4 | 1 | 25.0 |
| *Lasioglossum glabriventre* | 4 | 4 | 100.0 |
| *Lasioglossum helianthi* | 1 | 0 | 0.0 |
| *Lasioglossum imbrex* | 7 | 0 | 0.0 |
| *Lasioglossum incompletum* | 79 | 73 | 92.4 |
| *Lasioglossum inconditum* | 7 | 5 | 71.4 |
| *Lasioglossum kincaidii* | 10 | 10 | 100.0 |
| *Lasioglossum macroprosopum* | 2 | 2 | 100.0 |
| *Lasioglossum mellipes* | 3 | 0 | 0.0 |
| *Lasioglossum nevadense* | 9 | 9 | 100.0 |

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

| Taxon | Specimens ID-ed | Correct ID | % Correct |
|---|---|---|---|
| *Lasioglossum novascotiae* | 1 | 0 | 0.0 |
| *Lasioglossum occultum* | 3 | 2 | 66.7 |
| *Lasioglossum olympiae* | 138 | 127 | 92.0 |
| *Lasioglossum ovaliceps* | 12 | 12 | 100.0 |
| *Lasioglossum pacificum* | 64 | 55 | 85.9 |
| *Lasioglossum pavonotum* | 59 | 58 | 98.3 |
| *Lasioglossum pruinosum* | 12 | 12 | 100.0 |
| *Lasioglossum pulveris* | 27 | 27 | 100.0 |
| *Lasioglossum quebecense* | 1 | 0 | 0.0 |
| *Lasioglossum rubicundus* | 1 | 0 | 0.0 |
| *Lasioglossum ruidosense* | 5 | 5 | 100.0 |
| *Lasioglossum sequoiae* | 6 | 0 | 0.0 |
| *Lasioglossum sisymbrii* | 105 | 101 | 96.2 |
| *Lasioglossum titusi* | 260 | 214 | 82.3 |
| *Lasioglossum villosulum* | 11 | 8 | 72.7 |
| *Lasioglossum zephyrus* | 2 | 2 | 100.0 |
| *Lasioglossum zonulum* | 25 | 22 | 88.0 |
| *Megachile angelarum* | 25 | 22 | 88.0 |
| *Megachile anograe* | 6 | 0 | 0.0 |
| *Megachile apicalis* | 4 | 4 | 100.0 |
| *Megachile brevis* | 23 | 1 | 4.3 |
| *Megachile fidelis* | 6 | 5 | 83.3 |
| *Megachile melanophaea* | 2 | 1 | 50.0 |
| *Megachile mellitarsis* | 4 | 4 | 100.0 |
| *Megachile montivaga* | 1 | 0 | 0.0 |
| *Megachile nevadensis* | 8 | 0 | 0.0 |
| *Megachile perihirta* | 61 | 55 | 90.2 |
| *Megachile pugnata* | 8 | 4 | 50.0 |
| *Megachile rotundata* | 23 | 22 | 95.7 |
| *Megachile wheeleri* | 4 | 4 | 100.0 |
| *Melecta edwardsii* | 8 | 8 | 100.0 |
| *Melecta pacifica* | 5 | 3 | 60.0 |
| *Melecta separata* | 4 | 4 | 100.0 |
| *Melecta thoracica* | 2 | 0 | 0.0 |
| *Melissodes agilis* | 1 | 1 | 100.0 |
| *Melissodes bimatris* | 2 | 0 | 0.0 |
| *Melissodes metenuus* | 3 | 3 | 100.0 |
| *Melitta americana* | 2 | 0 | 0.0 |
| *Micralictoides ruficaudus* | 14 | 14 | 100.0 |
| *Nomia melanderi* | 1 | 1 | 100.0 |
| *Osmia aglaia* | 10 | 0 | 0.0 |
| *Osmia albolateralis* | 1 | 0 | 0.0 |
| *Osmia atrocyanea* | 10 | 9 | 90.0 |
| *Osmia brevis* | 2 | 0 | 0.0 |
| *Osmia bruneri* | 8 | 7 | 87.5 |
| *Osmia californica* | 2 | 0 | 0.0 |
| *Osmia calla* | 6 | 0 | 0.0 |
| *Osmia coloradensis* | 1 | 0 | 0.0 |
| *Osmia cornifrons* | 10 | 10 | 100.0 |
| *Osmia cyanella* | 3 | 0 | 0.0 |
| *Osmia densa* | 6 | 1 | 16.7 |
| *Osmia kincaidii* | 3 | 3 | 100.0 |

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

| Taxon | Specimens ID-ed | Correct ID | % Correct |
|---:|---:|---:|---|
| *Osmia laeta* | 2 | 0 | 0.0 |
| *Osmia lignaria* | 11 | 11 | 100.0 |
| *Osmia montana* | 3 | 3 | 100.0 |
| *Osmia nemoris* | 5 | 1 | 20.0 |
| *Osmia sculleni* | 3 | 0 | 0.0 |
| *Perdita nevadensis* | 1 | 1 | 100.0 |
| *Protosmia rubifloris* | 168 | 167 | 99.4 |
| *Pseudoanthidium nanum* | 2 | 2 | 100.0 |
| *Stelis laticincta* | 5 | 5 | 100.0 |
| *Trachusa timberlakei* | 5 | 5 | 100.0 |
| *Triepeolus concavus* | 4 | 4 | 100.0 |
| *Triepeolus utahensis* | 5 | 2 | 40.0 |
| *Xylocopa californica* | 1 | 1 | 100.0 |
| *Xylocopa tabaniformis* | 16 | 16 | 100.0 |
| *Xylocopa virginica* | 1 | 0 | 0.0 |
| *Zacosmia maculata* | 1 | 1 | 100.0 |
| *bombus flavifrons* | 1 | 0 | 0.0 |
| *bombus melanopygus* | 1 | 0 | 0.0 |
| *bombus sitkensis* | 1 | 0 | 0.0 |
| *bombus vosnesenskii* | 1 | 0 | 0.0 |
| *TOTAL* | 13393 | 12047 | 89.9 |