

Specimen records for North American Lepidoptera (Insecta) in the Oregon State Arthropod Collection. Lycaenidae Leach, 1815 and Riodinidae Grote, 1895

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Introduction

These records were generated using funds from the LepNet project (Seltmann) - a national effort to create digital records for North American Lepidoptera. The dataset published herein contains the label data for all North American specimens of Lycaenidae and Riodinidae residing at the Oregon State Arthropod Collection as of March 2019. A *beta version* of these data records will be made available on the OSAC server (<http://osac.oregonstate.edu/IPT>) at the time of this publication. The beta version will be replaced in the near future with an official release (version 1.0), which will be archived as a supplemental file to this paper.

Methods

Basic digitization protocols and metadata standards can be found in (Shepard et al. 2018). Identifications were confirmed by Jon Shepard and Paul Hammond prior to digitization. Nomenclature follows that of (Pelham 2008).

Results

The holdings in these two families are extensive. Combined, they make up 25,743 specimens (24,598 Lycaenidae and 1145 Riodinidae). While the majority of specimens are from the Pacific Northwest, the collection possesses examples of species from throughout North America.

Within the Lycaenidae, the collection holds 316 distinct species-level taxa (species and subspecies), classified into the following genera: *Atlides* Hübner, 1819, *Brephidium* Scudder, 1876, *Callophrys* Billberg, 1820, *Calycopis* Scudder, 1876, *Celastrina* Tutt, 1906, *Chlorostrymon* Clench, 1961, *Cupido* Schrank, 1801, *Cyanophrys* Clench, 1961, *Cyclargus* Nabokov, 1945, *Echinargus* Nabokov, 1945, *Electrostrymon* Clench, 1961, *Erora* Scudder, 1872, *Euphilotes* Mattoni, 1978, *Glaucopsyche* Scudder, 1872, *Hemiargus* Hübner, 1818, *Lampides* Hübner, 1819, *Leptotes* Scudder, 1857, *Ministrymon* Clench, 1961, *Parrhasius* Hübner, 1819, *Philotes* Scudder, 1876, *Philotiella* Mattoni, 1978, *Plebejus* Kluk, 1780, *Rekoa* Kaye, 1904, *Strymon* Hübner, 1818, *Tmolus* Hübner, 1819, *Vaga* Zimmerman, 1958, *Zizula* Chapman,

1910 (Table 1).

The Riodinidae are less extensive, with onlh 20 species-level taxa classified into the following genera: *Apodemia* C. Felder & R. Felder, 1865, *Calephelis* Grote & Robinson, 1869, *Caria* Hübner, 1823, *Emesis* Fabricius, 1807, *Lasania* H. Bates, 1868, (Table 2).

Table 1.

Taxon	#specimens
<i>Atlides halesus corcorani</i> Clench, 1942	115
<i>Atlides halesus halesus</i> (Cramer, 1777)	33
<i>Brephidium exilis</i> (Boisduval, 1852)	142
<i>Brephidium pseudofea</i> (Morrison, 1873)	22
<i>Callophrys affinis</i> undetermined spp.	67
<i>Callophrys affinis affinis</i> (Edwards, 1862)	5
<i>Callophrys affinis apama</i> (Edwards, 1882)	30
<i>Callophrys affinis homoperplexa</i> Barnes & Benjamin, 1923	42
<i>Callophrys affinis washingtonia</i> Clench, 1944	23
<i>Callophrys augustinus annetteae</i> (Passos, 1943)	19
<i>Callophrys augustinus augustinus</i> (Westwood, 1852)	23
<i>Callophrys augustinus croesioides</i> (Scudder, 1876)	30
<i>Callophrys augustinus iroides</i> (Boisduval, 1852)	380
<i>Callophrys dumetorum</i> undetermined spp	46
<i>Callophrys dumetorum dumetorum</i>	411
<i>Callophrys dumetorum oregonensis</i> Górellick, 1968	171
<i>Callophrys eryphon eryphon</i> (Boisduval, 1852)	343
<i>Callophrys eryphon fusca</i> (Austin, 1998)	5
<i>Callophrys eryphon pallescens</i> (Austin, 1998)	6
<i>Callophrys eryphon sheltonensis</i> (Chermock & Frechin, 1949)	64
<i>Callophrys fotis</i> undetermined spp.	57
<i>Callophrys gryneus castalis</i> (Edwards, 1871)	36
<i>Callophrys gryneus chalcosiva</i> Clench, 1981	353
<i>Callophrys gryneus gryneus</i> (Hübner, 1819)	70
<i>Callophrys gryneus juniperaria</i> (Comstock, 1925)	24
<i>Callophrys gryneus loki</i> (Skinner, 1907)	46
<i>Callophrys gryneus mansfieldi</i> (Tilden, 1951)	9
<i>Callophrys gryneus nelsoni</i> (Boisduval, 1869)	193
<i>Callophrys gryneus plicataria</i> Johnson, 1976	77
<i>Callophrys gryneus rosneri</i> Johnson, 1976	3
<i>Callophrys gryneus siva</i> (Edwards, 1874)	79
<i>Callophrys henrici henrici</i> (Grote & Robinson, 1867)	35

Table 1 (continued).

Taxon	#specimens
<i>Callophrys henrici margaretae</i> (dos Passos, 1943)	4
<i>Callophrys henrici solatus</i> (Cook & Watson, 1909)	12
<i>Callophrys henrici turneri</i> (Clench, 1943)	4
<i>Callophrys hesseli</i> (Rawson & Ziegler, 1950)	7
<i>Callophrys irus arsace</i> (Boisduval & LeConte, 1835)	11
<i>Callophrys irus hadros</i> (Cook & Watson, 1907)	41
<i>Callophrys johnsoni</i> (Skinner, 1904)	88
<i>Callophrys lanoraieensis</i> (Sheppard, 1934)	35
<i>Callophrys mcfarlandi</i> Ehrlich & Clench, 1960	15
<i>Callophrys mossii bayensis</i> Brown, 1969	44
<i>Callophrys mossii hidakupa</i> (Emmel, Emmel & Mattoon, 1998)	1
<i>Callophrys mossii mossii</i> (Edwards, 1881)	118
<i>Callophrys mossii schryveri</i> (Cross, 1937)	200
<i>Callophrys mossii windi</i> (Clench, 1943)	77
<i>Callophrys muiri</i> (Edwards, 1881)	54
<i>Callophrys niphon</i> (Hübner, 1819)	13
<i>Callophrys niphon clarki</i> (Freeman, 1938)	58
<i>Callophrys polios maritima</i> (Emmel, Emmel & Mattoon, 1998)	36
<i>Callophrys polios obscurus</i> Ferris & Fisher, 1973	194
<i>Callophrys polios polios</i> (Cook & Watson, 1907)	148
<i>Callophrys sheridanii interrupta</i> Austin, 1998	48
<i>Callophrys sheridanii lemberti</i> Tilden, 1963	157
<i>Callophrys sheridanii newcomeri</i> Clench, 1963	245
<i>Callophrys sheridanii paradoxa</i> Scott, 1986	2
<i>Callophrys sheridanii pseudodumetorum</i> Emmel, Emmel & Mattoon, 1998	190
<i>Callophrys sheridanii sheridanii</i> (Edwards, 1877)	71
<i>Callophrys spinetorum spinetorum</i> (Hewitson, 1867)	231
<i>Callophrys xami xami</i> (Reakirt, 1867)	11
<i>Calycopis cecrops</i> (Fabricius, 1793)	61
<i>Calycopis isobea</i> (Butler & Druce, 1872)	58
<i>Celastrina echo cinerea</i> (Edwards, 1883)	44
<i>Celastrina echo echo</i> (Edwards, 1864)	33
<i>Celastrina echo nigrescens</i> (Fletcher, 1903)	585
<i>Celastrina echo sidara</i> (Clench, 1944)	13
<i>Celastrina idella</i> Wright & Pavulaan, 1999	3
<i>Celastrina ladon</i> (Cramer, 1780)	25

Table 1 (continued).

Taxon	#specimens
<i>Celastrina lucia</i> (Kirby, 1837)	65
<i>Celastrina neglecta</i> (Edwards, 1862)	75
<i>Celastrina neglectamajor</i> Opler & Krizek, 1984	1
<i>Celastrina nigra</i> (Forbes, 1960)	7
<i>Chlorostrymon simaethis</i> (Drury, 1773)	31
<i>Cupido amyntula albrighti</i> (Clench, 1944)	11
<i>Cupido amyntula amyntula</i> (Boisduval, 1852)	270
<i>Cupido amyntula herri</i> (Grinnell, 1901)	16
<i>Cupido amyntula montanorum</i> (Austin, 1998)	27
<i>Cupido amyntula valeriae</i> (Clench, 1944)	10
<i>Cupido comyntas comyntas</i> (Godart, 1824)	63
<i>Cupido comyntas sissona</i> (Wright, 1905)	82
<i>Cupido comyntas texana</i> (Chermock, 1945)	24
<i>Cyanophrys goodsoni</i> (Clench, 1946)	32
<i>Cyanophrys miserabilis</i> (Clench, 1946)	11
<i>Cyclargus thomasi bethunebakeri</i> (Comstock & Huntington, 1943)	36
<i>Echinargus isola</i> (Reakirt, 1866)	112
<i>Electrostrymon angelia angelia</i> (Hewitson, 1874)	15
<i>Erora laeta</i> (Edwards, 1862)	18
<i>Erora quaderna sanfordi</i> Passos, 1940	22
<i>Eumaeus atala</i> (Poey, 1832)	19
<i>Euphilotes battoides</i> undetermined spp (Behr, 1867)	67
<i>Euphilotes battoides battoides</i> (Behr, 1867)	33
<i>Euphilotes battoides fusimaculata</i> Austin, 1998	3
<i>Euphilotes battoides mazourka</i> Pratt & Emmel, 1998	9
<i>Euphilotes battoides vernalis</i> Pratt & Emmel, 1998	8
<i>Euphilotes bernardino</i> (Barnes & McDunnough, 1916)	99
<i>Euphilotes centralis centralis</i> (Barnes & McDunnough, 1917)	11
<i>Euphilotes centralis hadrochilus</i> Pratt & Emmel, 1998	13
<i>Euphilotes enoptes</i> undetermined spp.	366
<i>Euphilotes enoptes ancilla</i> (Barnes & McDunnough, 1918)	(see discussion)
<i>Euphilotes enoptes bayensis</i> (Langston, 1964)	97
<i>Euphilotes enoptes columbiae</i> (Mattoni, 1954)	(see discussion)
<i>Euphilotes enoptes dammersi</i> (Comstock & Henne, 1933)	2
<i>Euphilotes enoptes enoptes</i> (Boisduval, 1852)	254
<i>Euphilotes enoptes langstoni</i> (Shields, 1975)	16

Table 1 (continued).

Taxon	#specimens
<i>Euphilotes enoptes tildeni</i> (Langston, 1964)	23
<i>Euphilotes glaucon</i> undetermined spp.	63
<i>Euphilotes glaucon comstocki</i> (Shields, 1975)	3
<i>Euphilotes glaucon glaucon</i> (Edwards, 1871)	159
<i>Euphilotes glaucon oregonensis</i> (Barnes & McDunnough, 1917)	321
<i>Euphilotes mojave mojave</i> (Watson & Comstock, 1920)	11
<i>Euphilotes pallescens arenamontana</i> Austin, 1998	7
<i>Euphilotes pallescens calneva</i> Emmel & Emmel, 1998	4
<i>Euphilotes pallescens confusa</i> Pratt & Emmel, 1998	5
<i>Euphilotes pallescens mattonii</i> (Shields, 1975)	2
<i>Euphilotes pallescens ricei</i> Austin, 1998	65
<i>Euphilotes rita</i> undetermined spp.	3
<i>Euphilotes rita coloradensis</i> (Mattoni, 1966)	15
<i>Euphilotes spaldingi</i> (Barnes & McDunnough, 1917)	14
<i>Feniseca tarquinius tarquinius</i> (Fabricius, 1793)	42
<i>Glaucopsyche lygdamus arizonensis</i> McDunnough, 1936	14
<i>Glaucopsyche lygdamus australis</i> Grinnell, 1917	59
<i>Glaucopsyche lygdamus columbia</i> (Skinner, 1917)	561
<i>Glaucopsyche lygdamus couperi</i> Grote, 1873	53
<i>Glaucopsyche lygdamus deserticola</i> Austin & Emmel, 1998	13
<i>Glaucopsyche lygdamus incognitus</i> Tilden, 1974	55
<i>Glaucopsyche lygdamus jacki</i> Stallings & Turner, 1947	52
<i>Glaucopsyche lygdamus lygdamus</i> (Doubleday, 1842)	4
<i>Glaucopsyche lygdamus mildredae</i> Chermock, 1944	5
<i>Glaucopsyche lygdamus orcus</i> (Edwards, 1869)	31
<i>Glaucopsyche lygdamus xerces</i> (Boisduval, 1852)	15
<i>Glaucopsyche piasus</i> (Boisduval, 1852)	279
<i>Habrodais grunus</i> undetermined spp.	174
<i>Habrodais grunus grunus</i> (Boisduval, 1852)	11
<i>Habrodais grunus herri</i> Field, 1938	131
<i>Habrodais grunus lorquini</i> Field, 1938	103
<i>Hemiargus ceraunus</i> undetermined spp.	25
<i>Hemiargus ceraunus antibubastus</i> Hübner, 1818	16
<i>Hemiargus ceraunus astenidas</i> (Lucas, 1857)	27
<i>Hemiargus ceraunus gyas</i> (Edwards, 1871)	14
<i>Hypaurotis crysalus</i> undetermined spp.	140

Table 1 (continued).

Taxon	#specimens
<i>Lampides boeticus</i> (Linnaeus, 1767)	48
<i>Leptotes cassius cassidula</i> (Boisduval, 1870)	10
<i>Leptotes cassius theonus</i> (Lucas, 1857)	49
<i>Leptotes marina</i> (Reakirt, 1868)	114
<i>Lycaena arota arota</i>	199
<i>Lycaena arota nubila</i> (Comstock, 1926)	43
<i>Lycaena arota schellbachi</i> (Tilden, 1955)	25
<i>Lycaena arota virginiensis</i> (Edwards, 1870)	13
<i>Lycaena cupreus</i> undetermined spp	13
<i>Lycaena cupreus cupreus</i> (Edwards, 1870)	100
<i>Lycaena cupreus lapidicola</i> Emmel & Pratt, 1998	73
<i>Lycaena cupreus snowi</i> (Edwards, 1881)	22
<i>Lycaena dione</i> (Scudder, 1868)	51
<i>Lycaena dorcas arcticus</i> (Ferris, 1977)	1
<i>Lycaena dorcas castro</i> (Reakirt, 1866)	37
<i>Lycaena dorcas claytoni</i> Brower, 1940	17
<i>Lycaena dorcas dorcas</i> Kirby, 1837	37
<i>Lycaena dorcas florus</i> (Edwards, 1884)	24
<i>Lycaena dospassosi</i> McDunnough, 1940	17
<i>Lycaena editha editha</i> (Mead, 1878)	43
<i>Lycaena editha obscuramaculata</i> Austin, 1989	2
<i>Lycaena editha pseudonexa</i> Emmel & Pratt, 1998	65
<i>Lycaena editha vurali</i> Koçak, 1984	306
<i>Lycaena epixanthe epixanthe</i> (Boisduval & Le Conte, 1835)	46
<i>Lycaena epixanthe michiganensis</i> Rawson, 1948	13
<i>Lycaena epixanthe phaedrus</i> (Hall, 1924)	13
<i>Lycaena gorgon dorothea</i> Emmel & Pratt, 1998	75
<i>Lycaena gorgon gorgon</i> (Boisduval, 1852)	78
<i>Lycaena gorgon jacquelineae</i> Emmel & Pratt, 1998	65
<i>Lycaena helloides</i> (Boisduval, 1852)	450
<i>Lycaena hermes</i> (Edwards, 1870)	32
<i>Lycaena heteronea</i> undetermined spp.	43
<i>Lycaena heteronea clara</i> Edwards, 1877	2
<i>Lycaena heteronea gravenotata</i> Klots, 1930	28
<i>Lycaena heteronea heteronea</i> Boisduval, 1852	4
<i>Lycaena heteronea klotsi</i> Field, 1936	283

Table 1 (continued).

Taxon	#specimens
<i>Lycaena heteronea northi</i> Emmel & Pratt, 1998	60
<i>Lycaena heteronea rava</i> Austin, 1998	61
<i>Lycaena heteronea submaculata</i> Emmel & Pratt, 1998	35
<i>Lycaena hyllus</i> (Cramer, 1775)	58
<i>Lycaena mariposa charlottensis</i> (Holland, 1930)	48
<i>Lycaena mariposa mariposa</i> (Reakirt, 1866)	278
<i>Lycaena mariposa penroseae</i> Field, 1938	104
<i>Lycaena nivalis bichroma</i> Emmel & Pratt, 1998	287
<i>Lycaena nivalis browni</i> Passos, 1938	151
<i>Lycaena nivalis nivalis</i> (Boisduval, 1869)	37
<i>Lycaena nivalis praetexta</i> Austin, 1998	30
<i>Lycaena nivalis warnermontana</i> Emmel & Pratt, 1998	31
<i>Lycaena phlaeas alpestris</i> Emmel & Pratt, 1998	3
<i>Lycaena phlaeas arethusa</i> (Walley-Dod, 1907)	4
<i>Lycaena phlaeas feildeni</i> (M'Lachlan, 1878)	2
<i>Lycaena phlaeas hypophlaeas</i> (Boisduval, 1852)	97
<i>Lycaena rubidus duofascies</i> Johnson & Balogh, 1977	112
<i>Lycaena rubidus ferrisi</i> Johnson & Balogh, 1977	2
<i>Lycaena rubidus longi</i> Johnson & Balogh, 1977	18
<i>Lycaena rubidus perkinsorum</i> Johnson & Balogh, 1977	51
<i>Lycaena rubidus rubidus</i> (Behr, 1866)	58
<i>Lycaena rubidus sirius</i> (Edwards, 1871)	135
<i>Lycaena xanthoides nigromaculata</i> Emmel & Pratt, 1998	59
<i>Lycaena xanthoides xanthoides</i> (Boisduval, 1852)	58
<i>Ministrymon clytie</i> (Edwards, 1877)	23
<i>Ministrymon leda</i> (Edwards, 1882)	51
<i>Parrhasius m-album</i> (Boisduval and Le Conte, 1833)	31
<i>Philotes sonorensis</i> (Felder & Felder, 1865)	135
<i>Philotiella leona</i> Hammond & McCorkle, 2000	146
<i>Philotiella speciosa purissima</i> Priestaf & Emmel, 1998	4
<i>Philotiella speciosa septentrionalis</i> Austin, 1998	15
<i>Philotiella speciosa speciosa</i> (Edwards, 1877)	66
<i>Plebejus acmon</i> (Westwood, 1852)	604
<i>Plebejus anna</i> undetermined spp.	37
<i>Plebejus anna anna</i> (Edwards, 1861)	118
<i>Plebejus anna azureus</i> (Emmel, Emmel & Mattoon, 1998)	19

Table 1 (continued).

Taxon	#specimens
<i>Plebejus anna ricei</i> Cross, 1937	511
<i>Plebejus anna vancouverensis</i> (Guppy & Shepard, 2001)	8
<i>Plebejus emigdionis</i> (Grinnell, 1905)	89
<i>Plebejus glandon</i> undetermined sspp.	31
<i>Plebejus glandon megalo</i> McDunnough, 1927	83
<i>Plebejus glandon rustica</i> (Edwards, 1865)	153
<i>Plebejus icarioides</i> undetermined sspp.	37
<i>Plebejus icarioides albihalos</i> (Emmel, Emmel & Mattoon, 1998)	9
<i>Plebejus icarioides atascadero</i> (Emmel, Emmel & Mattoon, 1998)	1
<i>Plebejus icarioides blackmorei</i> Barnes & McDunnough, 1919	42
<i>Plebejus icarioides buchholzi</i> Passos, 1938	21
<i>Plebejus icarioides fenderi</i> Macy, 1931	340
<i>Plebejus icarioides fulla</i> (Edwards, 1870)	206
<i>Plebejus icarioides helios</i> (Edwards, 1871)	175
<i>Plebejus icarioides icarioides</i> (Boisduval, 1852)	54
<i>Plebejus icarioides inyo</i> (Emmel, Emmel & Mattoon, 1998)	8
<i>Plebejus icarioides lycea</i> (Edwards, 1864)	41
<i>Plebejus icarioides missionensis</i> Hovanitz, 1937	26
<i>Plebejus icarioides montis</i> Blackmore, 1923	264
<i>Plebejus icarioides pardalis</i> (Behr, 1867)	72
<i>Plebejus icarioides pembina</i> (Edwards, 1862)	583
<i>Plebejus icarioides pheres</i> (Boisduval, 1852)	12
<i>Plebejus idas alaskensis</i> Chermock, 1945	55
<i>Plebejus idas atrapraetextus</i> Field, 1939	165
<i>Plebejus idas empetri</i> Freeman, 1938	6
<i>Plebejus idas longinus</i> (Nabokov, 1949)	18
<i>Plebejus idas scudderii</i> (Edwards, 1861)	25
<i>Plebejus idas sublivens</i> (Nabokov, 1949)	12
<i>Plebejus lupini</i> undetermined sspp.	37
<i>Plebejus lupini alpicola</i> (Emmel, Emmel & Mattoon, 1998)	5
<i>Plebejus lupini chlorina</i> (Skinner, 1902)	70
<i>Plebejus lupini dedeckera</i> (Emmel, Emmel & Mattoon, 1998)	4
<i>Plebejus lupini goodpasturei</i> (Austin, 1998)	5
<i>Plebejus lupini lutzii</i> Passos, 1938	355
<i>Plebejus lupini spangelatus</i> (Burdick, 1942)	27
<i>Plebejus lupini texanus</i> (Goodpasture, 1973)	37

Table 1 (continued).

Taxon	#specimens
<i>Plebejus melissa</i> undetermined sspp.	44
<i>Plebejus melissa annetta</i> (Edwards, 1882)	3
<i>Plebejus melissa inyoensis</i> (Nabokov, 1949)	14
<i>Plebejus melissa melissa</i> (Edwards, 1873)	408
<i>Plebejus melissa samuelis</i> (Nabokov, 1944)	2
<i>Plebejus neurona</i> (Skinner, 1902)	88
<i>Plebejus optilete</i> (Knoch, 1781)	4
<i>Plebejus podarce cilla</i> (Behr, 1867)	44
<i>Plebejus podarce klamathensis</i> (Emmel & Emmel, 1998)	116
<i>Plebejus podarce podarce</i> (Felder & Felder, 1865)	15
<i>Plebejus saepiolus</i> undetermined sspp	864
<i>Plebejus saepiolus amica</i> (Edwards, 1863)	56
<i>Plebejus saepiolus hilda</i> (Grinnell, 1907)	24
<i>Plebejus shasta</i> undetermined sspp.	21
<i>Plebejus shasta minnehaha</i> (Scudder, 1874)	4
<i>Plebejus shasta pallidissima</i> (Austin, 1998)	4
<i>Plebejus shasta pitkinensis</i> Ferris, 1976	14
<i>Plebejus shasta shasta</i> (Edwards, 1862)	192
<i>Rekoa marius</i> (Lucas, 1857)	1
<i>Satyrium acadica</i> (Edwards, 1862)	64
<i>Satyrium acadica montanensis</i> (Watson & Comstock, 1920)	3
<i>Satyrium alcestis alcestis</i>	22
<i>Satyrium alcestis oslari</i>	2
<i>Satyrium auretteorum</i> (Boisduval, 1852)	79
<i>Satyrium behrii</i> undetermined sspp.	40
<i>Satyrium behrii behrii</i> (Edwards, 1870)	26
<i>Satyrium behrii columbia</i> (McDunnough, 1944)	175
<i>Satyrium behrii crossi</i> (Field, 1938)	52
<i>Satyrium calanus</i> undetermined sspp.	127
<i>Satyrium californica</i> undetermined sspp	410
<i>Satyrium caryaevorus</i> (McDunnough, 1942)	28
<i>Satyrium edwardsii</i> undetermined sspp.	65
<i>Satyrium favonius autolytus</i> (Edwards, 1871)	90
<i>Satyrium favonius favonius</i> (Smith, 1797)	40
<i>Satyrium favonius ontario</i> (Edwards, 1868)	16
<i>Satyrium fuliginosa</i> (Edwards, 1861)	18

Table 1 (continued).

Taxon	#specimens
<i>Satyrium fuliginosa tildeni</i> Mattoon & Austin, 1998	16
<i>Satyrium ilavia</i> (Beutenmüller, 1899)	1
<i>Satyrium kingi</i> (Klots & Clench, 1952)	15
<i>Satyrium liparops</i> (LeConte, 1833)	44
<i>Satyrium liparops floridensis</i> Gatrell, 2001	1
<i>Satyrium polingi organensis</i> Ferris, 1980	2
<i>Satyrium polingi polingi</i> (Barnes & Benjamin, 1926)	17
<i>Satyrium saepium</i> (Boisduval, 1852)	389
<i>Satyrium semiluna semiluna</i> Klots, 1930	230
<i>Satyrium sylvinus</i> undetermined spp.	257
<i>Satyrium sylvinus desertorum</i> (Grinnell, 1917)	6
<i>Satyrium sylvinus dryope</i> (Edwards, 1870)	35
<i>Satyrium sylvinus itys</i> (Edwards, 1882)	2
<i>Satyrium sylvinus megapallidum</i> Austin, 1998	89
<i>Satyrium tetra</i> (Edwards, 1870)	113
<i>Satyrium titus campus</i> (Gatrell, 2004)	5
<i>Satyrium titus immaculosus</i> (Comstock, 1913)	88
<i>Satyrium titus occidentalis</i> (Austin & Emmel, 1998)	1
<i>Satyrium titus titus</i> (Fabricius, 1793)	15
<i>Satyrium titus watsoni</i> (Barnes & Benjamin, 1926)	4
<i>Satyrium titus winteri</i> (Gatrell, 2004)	49
<i>Strymon acis</i> (Drury, 1773)	9
<i>Strymon alea</i> (Godman & Salvin, 1887)	9
<i>Strymon avalona</i> (Wright, 1905)	4
<i>Strymon bazochii bazochii</i> (Godart, 1824)	38
<i>Strymon istapa</i> (Reakirt, 1867)	55
<i>Strymon martialis</i> (Herrich-Schäffer, 1864)	15
<i>Strymon melinus</i> Hübner, 1818	470
<i>Strymon melinus melinus</i> Hübner, 1818	2
<i>Strymon melinus setonia</i> McDunnough, 1927	2
<i>Strymon rufofusca</i> (Hewitson, 1877)	6
<i>Tmolus echion</i> (Linnaeus, 1767)	6
<i>Vaga blackburni</i> (Tuely, 1878)	28
<i>Zizula cyna</i> (Edwards, 1881)	3

Table 2.

Taxon	#specimens
<i>Apodemia duryi</i> (Edwards, 1882)	1
<i>Apodemia mejicanus mejicanus</i> (Behr, 1865)	47
<i>Apodemia mejicanus pueblo</i> Scott, 1998	6
<i>Apodemia mormo autumnalis</i> Austin, 1998	80
<i>Apodemia mormo cythera</i> Edwards, 1873	25
<i>Apodemia mormo</i> undetermined spp.	1
<i>Apodemia mormo langei</i> Comstock, 1939	65
<i>Apodemia mormo mormo</i> Felder, 1859	184
<i>Apodemia mormo parva</i> Austin, 1998	4
<i>Apodemia nais</i> Edwards, 1871	54
<i>Apodemia palmerii arizona</i> Austin, 1989	81
<i>Apodemia palmerii palmerii</i> Edwards, 1870	9
<i>Apodemia virgulti davenporti</i> Emmel, Emmel & Pratt, 1998	13
<i>Apodemia virgulti virgulti</i> (Behr, 1865)	130
<i>Calephelis arizonensis</i> McAlpine, 1971	40
<i>Calephelis borealis</i> (Grote & Robinson, 1866)	31
<i>Calephelis freemani</i> McAlpine, 1971	28
<i>Calephelis muticum</i> McAlpine, 1937	13
<i>Calephelis nemesis</i> Edwards, 1871	65
<i>Calephelis perditalis perditalis</i> Barnes & McDunnough, 1918	89
<i>Calephelis rawsoni</i> McAlpine, 1939	2
<i>Calephelis virginiensis</i> Gray, 1832	19
<i>Calephelis wrighti</i> Holland, 1930	1
<i>Caria ino melicerta</i> Schaus, 1890	44
<i>Emesis ares</i> (Edwards, 1882)	27
<i>Emesis emesia</i> Hewitson, 1867	1
<i>Emesis zela cleis</i> (Edwards, 1882)	62
<i>Lasia sula peninsularis</i> Clench, 1971	23

Additional material from outside of North America is present, but was not digitized and catalogued at this time.

Label data for these specimens can be accessed via online data portals that serve osac IPT data (e.g., www.gbif.org) or by direct download via the archived datasets stored in the supplemental files of this paper.

Discussion:

Today the Oregon State Arthropod Collection maintains a relatively comprehensive representation of North American Lycaenidae, built up over many decades through the contributions of at least 20 private collectors.

A total of 156 species of Lycaenidae have been recorded from North America and Hawaii north of Mexico as reported in Pelham (2008) catalogue. Of these, 149 (96%) are represented in the collection at the time of this writing, although 16 of these are represented by specimens from outside of this geographic range (e.g. further to the south) and were not included in this dataset.

The majority of specimens is made up of taxa that occur in the Pacific Northwest and California, with generally good geographic coverage within these regions. In numerous cases (Table 1) subspecies were not always formally recognized in the database given uncertainties as to their validity and/or diagnosability. For example, while *Euphilotes columbiae* and *Euphilotes ancilla* are treated as valid species in Pelham (2008) there is some disagreement among lepidopterists as to their proper rank (e.g., they are often treated as subspecies of *Euphilotes enoptes*) and not all lepidopterists consider them valid. The OSAC does possess determined material corresponding to all of these nominative taxa, but at the time of this publication we opted to treat them as *Euphilotes enoptes* undetermined ssp. until we have more time to carefully review the taxonomy in greater detail.

Minor corrections and other small modifications made in the future to this dataset will be accomplished by issuing a new version and providing a file of modified records to the supplemental files. Major additions, such as new records, new data fields, new contributors or other significant modifications will be accomplished through the generation and release of new datasets.

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