

**Appendix 1. Coleoptera collected over the course of the study.**

Family	Species	# individuals
Anobiidae	<i>Paralobium mundum</i> Fall 1905	2
	<i>Ptinus</i> sp. 1	114
	<i>Ptinus</i> sp. 2	66
	<i>Tricorynus</i> sp.	2
Anthicidae	<i>Ischyropalpus nitidulus</i> LeConte 1851	1
Bostrichidae	<i>Scobicia declivis</i> LeConte 1857	6
Buprestidae	<i>Anthaxia aeneogaster</i> LaPort & Gory 1841	21
	<i>Anthaxia</i> sp.	1
	<i>Chrysobothris semisculpta</i> LeConte 1859	1
	<i>Serropalpus substriatus</i> Haldeman 1848	1
Byrrhidae	<i>Amphicyrta dentipes</i> Erichson 1843	3
Cantharidae	<i>Malthodes</i> sp.	36
	<i>Podabrus cavicollis</i> LeConte 1851	3
	<i>Podabrus</i> sp. 1	12
	<i>Podabrus</i> sp. 2	5
	<i>Podabrus</i> sp. 3	1
Carabidae	<i>Agonum</i> sp.	1
	<i>Amara californica</i> Dejean 1828	3
	<i>Anisodactylus similis</i> LeConte 1851	1
	<i>Bembidion</i> sp. 1	1

Family	Species	# individuals
Carabidae, <i>cont.</i>	<i>Bembidion</i> sp. 2	14
	<i>Bembidion</i> sp. 3	2
	<i>Bembidion</i> sp. 4	1
	<i>Callisthenes discors</i> LeConte 1857	7
	<i>Carabus taedatus</i> F. 1787	7
	<i>Metrius contractus</i> Eschscholtz 1829	1258
	<i>Omus californicus</i> Eschscholtz 1829	374
	<i>Pterostichus (Hypherpes)</i> sp. 1	215
	<i>Pterostichus (Hypherpes)</i> sp. 2	327
	<i>Pterostichus (Hypherpes)</i> sp. 3	100
	<i>Pterostichus (Hypherpes)</i> sp. 4	110
	<i>Pterostichus (Hypherpes)</i> sp. 5	56
	<i>Pterostichus (Leptoferonia) stapedius</i> Hacker 1968	2
	<i>Pterostichus inanis</i> Horn 1891	20
	<i>Pterostichus lama</i> Menetries 1843	272
	<i>Pterostichus morionides</i> Chaudoir 1868	6
	<i>Scaphinotus marginatus</i> Fischer 1822	3
	<i>Sericoda bembidioides</i> Kirby 1837	1
	<i>Tanystoma striata</i> Dejean 1828	8
	<i>Trachypacus holmbergi</i> Mannerheim 1853	21
<i>Trechus</i> sp.	1	
Cerambycidae	<i>Callidium antennatum</i> Casey 1912	1

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Cerambycidae, <i>cont.</i>	<i>Centrodera spurca</i> LeConte 1860	10
	<i>Clytus planifrons</i> LeConte 1874	27
	<i>Phymatodes decussatus</i> LeConte 1857	2
	<i>Phymatodes hirtellus</i> LeConte 1873	1
	<i>Pidonia gnathoides</i> LeConte 1873	2
	<i>Spondylis upiformis</i> Mannerheim 1843	13
	<i>Strophiona laeta</i> LeConte 1857	14
	unknown Cerambycid sp. 1	2
	unknown Cerambycid sp. 2	1
Chrysomelidae	<i>Pachybrachis</i> sp.	1
Cicindellidae	<i>Cicindela</i> sp.	4
Ciidae	<i>Sulcacis curtulus</i> Casey 1898	17
Cleridae	<i>Cymatodera ovipennis</i> LeConte 1859	7
	<i>Phyllobaenus scaber</i> LeConte 1852	2
Coccinellidae	<i>Coccinella</i> sp.	1
	<i>Hippodamia convergens</i> Guerin-Meneville 1842	1
	<i>Psyllobora vigintimaculata</i> Say 1824	1
	unknown Coccinellid sp. 1	1
	unknown Coccinellid sp. 2	1
	unknown Coccinellid sp. 3	1
Colydiidae	<i>Lasconotus</i> sp.	2
	<i>Oxylaemus californicus</i> Crotch 1875	1

Family	Species	# individuals
Cryptophagidae	<i>Atomaria</i> sp. 1	181
	<i>Atomaria</i> sp. 2	1
	<i>Cryptophagus</i> sp. 1	2
	<i>Cryptophagus</i> sp. 2	4
	<i>Henoticus</i> sp.	9
	unknown Cryptophagid sp.	16
	Curculionidae	<i>Agronus cinerarius</i>
<i>Cossonus crenatus</i> Horn 1873		1
<i>Dyslobus lecontei</i> Casey 1895		74
<i>Dyslobus</i> sp.		100
<i>Lechirops</i> sp.		1
<i>Nemocestes montanus</i> Van Dyke 1936		45
<i>Rhyncolus oregonensis</i> Horn 1873		39
<i>Rhyncolus</i> sp.		1
<i>Sitonia</i> sp.		4
<i>Thricolepis simulator</i> Horn 1876		91
<i>Tychius</i> sp.		3
unknown Curculionid sp. 1		5
unknown Curculionid sp. 2		6
unknown Curculionid sp. 3		319
unknown Curculionid sp. 6		33
Dermestidae	<i>Trogoderma glabrum</i> Herbst 1783	24

Family	Species	# individuals
Diphyllostomatidae	<i>Diphyllostoma linsleyi</i> Fall 1932	9
Elateridae	<i>Ampedus mixtus</i> Herbst 1806	4
	<i>Ampedus phoenicopterus</i> Germar 1843	1
	<i>Ampedus rhodopus</i> LeConte 1857	3
	<i>Athous imitans</i> Fall 1910	31
	<i>Athous limbatus</i> LeConte 1861	1
	<i>Athous opilius</i> Candeze 1860	14
	<i>Athous scissus</i> Candeze 1860	3
	<i>Cardiophorus</i> sp. 1	35
	<i>Cardiophorus</i> sp. 2	28
	<i>Cardiophorus</i> sp. 3	2
	<i>Ctenicera imitans</i> Brown 1935	36
	<i>Ctenicera mendax</i> LeConte 1853	32
	<i>Ctenicera pallidipes</i> Brown 1936	5
	<i>Limonius humeralis</i> Candeze 1960	13
	<i>Limonius maculicollis</i> Motschulsky 1859	2
	<i>Megapenthes stigmosus</i> LeConte 1853	1
	unknown Elaterid sp. 1	1
	unknown Elaterid sp. 2	2
unknown Elaterid sp. 3	18	
unknown Elaterid sp. 4	3	
unknown Elaterid sp. 5	27	

Family	Species	# individuals
Elateridae, <i>cont.</i>	unknown Elaterid sp. 6	1
Endomychidae	<i>Mycetina horni</i> Crotch 1873	3
	unknown Endomychid sp.	2
Erotylidae	<i>Dacne californica</i> Horn 1870	834
Euchnemidae	<i>Melasis rufipennis</i> Horn 1886	1
Geotrupidae	<i>Bolboceras obesus</i> LeConte 1859	20
Histeridae	<i>Bacanius</i> sp.	3
	<i>Psiloscelis subopacus</i> LeConte 1863	1
	<i>Stictostix californica</i> Horn 1870	40
Lampyridae	<i>Phausis riversi</i> LeConte 1884	28
Latridiidae	<i>Ardius</i> sp.	1
	<i>Cartodere</i> sp.	16
	<i>Corticarina</i> sp.	3
	<i>Enicmus tenuicornis</i> LeConte 1878	59
	<i>Latridius</i> sp. 1	85
	<i>Latridius</i> sp. 2	7
	<i>Latridius</i> sp. 3	2
	<i>Metophthalmus</i> sp.	113
	<i>Microgramme</i> sp.	1
Leiodidae	<i>Agathidium</i> sp. 1	3
	<i>Agathidium</i> sp. 2	1
	<i>Agathidium</i> sp. 3	3

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Leiodidae, <i>cont.</i>	<i>Anisotoma nevadensis</i> Brown 1937	4
	<i>Anisotoma</i> sp.	3
	<i>Colon</i> sp.	21
	<i>Hydnobius</i> sp. 1	7
	<i>Hydnobius</i> sp. 2	33
	<i>Hydnobius</i> sp. 3	7
	<i>Ptomaphagus</i> sp.	535
	unknown Leiodid sp.	1
Lucanidae	<i>Platyceroides latus</i> Fall 1901	53
Lyctidae	<i>Lyctus</i> sp. 1	1
	<i>Lyctus</i> sp. 2	2
Melandryidae	<i>Abdera bicinctus</i> Horn 1888	3
	unknown Melandryid sp.	3
Melyridae	<i>Dasyrhadus</i> sp. 1	6
	<i>Dasyrhadus</i> sp. 2	1
	Dasytini sp. 1	1
	Dasytini sp. 2	40
	<i>Pseudasydates inyoensis</i> Blaisdell 1938	1
	<i>Trichochrous</i> sp.	9
Monotomidae	<i>Hesperobaenus</i> sp.	35
Mordellidae	<i>Mordella</i> sp.	25
Mycetophagidae	<i>Mycetophagus californicus</i> Horn 1878	91

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Mycetophagidae, <i>cont.</i>	<i>Mycetophagus</i> sp.	8
	<i>Typhaea stercorea</i> L. 1758	1
Nemonychidae	<i>Cimberis comptus</i> LeConte 1876	5
Nitidulidae	<i>Carpophilus</i> sp. 1	11
	<i>Carpophilus</i> sp. 2	9
	<i>Pityophagus rufipennis</i> Horn 1872	13
	<i>Soronia guttulata</i> LeConte 1863	15
	<i>Thalycra</i> sp. 1	37
	<i>Thalycra</i> sp. 2	4
	<i>Thalycra</i> sp. 3	5
Ochodaeidae	<i>Pseudochodaeus estriatus</i> Carlson & Richter 1974	1
Phalacridae	<i>Phalacrus</i> sp.	1
Ptiliidae	unknown Ptiliid sp. 1	569
	unknown Ptiliid sp. 2	2
	unknown Ptiliid sp. 3	40
	unknown Ptiliid sp. 4	85
	unknown Ptiliid sp. 5	21
	unknown Ptiliid sp. 6	11
Rhysodidae	<i>Clinidium calcaratum</i> LeConte 1875	33
Salpingidae	<i>Elacitus</i> sp.	2
Scarabaeidae	<i>Aphodius</i> sp.	126
	<i>Canthon simplex</i> LeConte 1857	3

Family	Species	# individuals
Scarabaeidae, <i>cont.</i>	<i>Cremastochelius</i> sp.	1
	<i>Dichelonyx crotchi</i> Horn 1876	37
	<i>Dichelonyx lateralis</i> Fall 1901	17
	<i>Serica anthracina</i> LeConte 1856	1
	<i>Serica curvata</i> LeConte 1856	42
Scolytidae	<i>Dendroctonus valens</i> LeConte 1860	1
	<i>Gnathotrichus retusus</i> LeConte 1868	1
	<i>Gnathotrichus sulcatus</i> LeConte 1868	1
	<i>Hylastes gracilis</i> LeConte 1868	24
	<i>Hylastes macer</i> LeConte 1868	78
	<i>Hylurgops pinifex</i> Fitch 1851	1
	<i>Hylurgops porosus</i> LeConte 1868	155
	<i>Hylurgops reticulatus</i> Wood 1971	2
	<i>Hylurgops subscostulatus</i> Mannerheim 1853	4
	<i>Monarthrum scutellare</i> LeConte 1860	1
	<i>Phloeosinus punctatus</i> LeConte 1876	5
	<i>Phloeosinus</i> sp.	1
	<i>Pityophthorous</i> sp.	1
	<i>Pseudopityophthorus pubipennis</i> LeConte 1878	3
	<i>Scolytus ventralis</i> LeConte 1868	5
	<i>Xyleborinus saxeseni</i> Ratz. 1837	58
<i>Xyleborus scopulorum</i> Hopkins 1902	168	

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Scaptiidae	<i>Anaspis</i> sp. 1	13
	<i>Anaspis</i> sp. 2	8
Scydmaenidae	<i>Lophoderus</i> sp.	5
	<i>Veraphis</i> sp. 1	3
	<i>Veraphis</i> sp. 2	17
Staphylinidae	<i>Actium</i> sp. 1	94
	<i>Actium</i> sp. 2	1
	<i>Actium</i> sp. 3	1
	<i>Aleochara</i> sp.	11
	Aleocharinae sp. 1	85
	Aleocharinae sp. 2	848
	Aleocharinae sp. 3	10
	Aleocharinae sp. 5	6
	Aleocharinae sp. 7	1
	Aleocharinae sp. 8	1
	Aleocharinae sp. 9	50
	Aleocharinae sp. 10	1
	Aleocharinae sp. 11	1
	Aleocharinae sp. 12	9
	Aleocharinae sp. 13	16
Aleocharinae sp. 14	6	
Aleocharinae sp. 15	181	

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Staphylinidae, <i>cont.</i>	Aleocharinae sp. 16	3
	Aleocharinae sp. 17	2
	Aleocharinae sp. 19	38
	Aleocharinae sp. 20	8
	Aleocharinae sp. 22	2
	Aleocharinae sp. 23	4
	Aleocharinae sp. 24	13
	Aleocharinae sp. 25	44
	Aleocharinae sp. 26	2
	<i>Amphichroum maculatum</i> Horn 1882	7
	<i>Astenus</i> sp.	1
	<i>Batrisodes cicatricosis</i> Brendel 1890	22
	<i>Bryoporus</i> sp.	6
	<i>Deinopteroloma pictum</i> Fauvel 1878	42
	<i>Eusphalerum</i> sp. 2	238
	<i>Gabrius</i> sp.	4
	Habrocerinae sp.	1
	<i>Habrolinus</i> sp.	2
	<i>Hesperolinus</i> sp.	8
	<i>Ichnosoma californicum</i> Bernhauer & Schubert 1912	149
<i>Lathrobium</i> sp. 1	7	
<i>Lathrobium</i> sp. 2	1	

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Staphylinidae, <i>cont.</i>	<i>Mipseltyrus mirus</i> Schuster 1956	2
	Omaliinae sp. 1	1
	Omaliinae sp. 2	4
	<i>Oropus</i> sp.	1
	<i>Philonthus</i> sp. 1	1
	<i>Philonthus</i> sp. 2	13
	<i>Platydracus rutilicauda</i> Horn 1879	5
	<i>Quedius</i> sp. 1	13
	<i>Quedius</i> sp. 3	3
	<i>Quedius</i> sp. 4	5
	<i>Quedius</i> sp. 5	1
	<i>Quedius</i> sp. 6	1
	<i>Renardia</i> sp.	1
	<i>Stenus vespertinus</i> Casey 1884	3
	<i>Stictolinus</i> sp.	1
	<i>Tachinus semirufus</i> Horn 1877	387
	<i>Tachyporus californicus</i> Horn 1877	88
	<i>Tyrus corticinus</i> Casey 1897	1
	unknown Staphylinid sp. 1	2
	unknown Staphylinid sp. 2	1
	unknown Staphylinid sp. 3	4
Tenebrionidae	<i>Cibdelis blaschkei</i> Mannerheim 1843	17

Family	Species	# individuals
Tenebrionidae, <i>cont.</i>	<i>Cnemeplatia sericea</i> Horn 1870	60
	<i>Coelocnemis californica</i> Mannerheim 1843	187
	<i>Coniontis</i> sp.	145
	<i>Eleodes cordata</i> Eschscholtz 1833	2369
	<i>Helops punctipennis</i> LeConte 1866	5
	<i>Helops simulator</i> Blaisdell 1921	113
	<i>Iphthminus serratus</i> Mannerheim 1843	8
	<i>Megeleates sequoiarum</i> Casey 1895	1
	<i>Mycetochara</i> sp.	3
	<i>Nyctoporis sponsa</i> Casey 1907	213
	<i>Scotobaenus parallelus</i> LeConte 1859	16
Tetratomidae	<i>Eustrophinus tomentosus</i> Say 1827	11
Throscidae	<i>Pactopus horni</i> LeConte 1868	1842
Trogossitidae	<i>Eronyxa</i> sp.	1
Zopheridae	<i>Phellopsis porcata</i> LeConte 1853	5
	<i>Usechimorpha montana</i> Doyen 1979	7