

Terrestrial Gastropods of Los Angeles County

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Introduction

Terrestrial gastropods consist of snails (shelled) and slugs (unshelled) that occupy a wide range of habitats throughout California, and elsewhere. They range in size from a few millimeters to several centimeters. The native species, and many of the nonnative species, are quite secretive and nocturnal, and most hibernate when it is too hot or too cold, so they can be hard to find. That is, except for the common pest species in your vegetable garden.

This list of terrestrial gastropods of Los Angeles County is a compilation of mollusk taxa (Phylum Mollusca; Class Gastropoda) and known occurrence information, based on currently available information on their taxonomy and distribution. It is intended to be used by researchers, regulators, and biologists to better understand the distribution and sensitivity of this interesting but much ignored group of invertebrates that are found within the political boundaries of the County of Los Angeles, California.

Methods

This list is based primarily on the compilation of terrestrial snails and slugs of California by Roth and Sadeghain (2003²). It is supported by information about specific species occurrences through specimens deposited at the Santa Barbara Museum of Natural History (SBMNH) and accessed through the Museum's online database of mollusks³, supplemented by voucher specimen data from the California Academy of Sciences online database.

Each and every species (including subspecies and varieties) has been assigned a rarity ranking by NatureServe⁴, the successor of the Natural Heritage system, which established natural diversity databases in each and every state of the United States, including the California Department of Fish and Game's Natural Diversity Database (CNDDDB). NatureServe assigns a Global ranking, consisting of five basic rarity levels, 1 through 5, with 1 representing the rarest rank category and 5 representing the commonest rank category. This listing for species in Los Angeles County includes those Global rankings assigned by NatureServe.

The rarity rankings are defined in Table 1, California Natural Diversity Database Element Ranking System.

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² Taxonomy follows Roth, Barry, and Patricia S. Sadeghain. 2003. Checklist of the Land Snails and Slugs of California. (*Santa Barbara Museum of Natural History Contributions in Science* No. 3.) Santa Barbara, California.

³ Distribution data obtained from Roth & Sadeghain 2003 (see footnote 2) and Santa Barbara Museum of Natural History online mollusk database (<http://www.sbcollections.org/>):

⁴ Rarity Rankings obtained from NatureServe Explorer, <http://www.natureserve.org/explorer/>, August 2009.

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Table 1. California Natural Diversity Database Element Ranking System

Global Ranking (G)	
G1	Less than 6 viable element occurrences (pops for species), OR less than 1,000 individuals, OR <809.4 hectares (ha) (2,000 acres [ac]). Critically Imperiled
G2	6 to 20 element occurrences OR 809.4 to 4,047 ha (2,000 to 10,000 ac). Imperiled
G3	21 to 100 element occurrences OR 3,000 to 10,000 individuals OR 4,047 to 20,235 ha (10,000 to 50,000 ac). Vulnerable
G4	Apparently secure; rank lower than G3, factors exist to cause some concern (i.e. there is some threat, or somewhat narrow habitat). Apparently Secure
G5	Population, or stand, demonstrably secure to ineradicable due to being commonly found in the world. Secure
GH	All sites are historic ; the element has not been seen for at least 20 years, but suitable habitat still exists.
GX	All sites are extirpated ; this element is extinct in the wild.
GXC	Extinct in the wild; exists in cultivation.
G1Q	The element is very rare, but there is a taxonomic question associated with it.
<p>Subspecies Level: Subspecies receive a T-rank attached to the G-rank. With the subspecies, the G-rank reflects the condition of the entire <u>species</u>, whereas the T-rank reflects the global situation of just the <u>subspecies</u> or <u>variety</u>.</p> <p>For example: <i>Chorizanthe robusta</i> var. <i>hartwegii</i> is ranked G2T1. The G-rank refers to the whole species range (<i>Chorizanthe robusta</i>), whereas the T-rank refers only to the global condition of the variety (var. <i>hartwegii</i>).</p>	
State Ranking (S)	
S1	Less than 6 element occurrences OR less than 1,000 individuals OR less than 809.4 ha (2,000 ac). S1.1 = very threatened S1.2 = threatened S1.3 = no current threats known
S2	6 to 20 element occurrences OR 3,000 individuals OR 809.4 to 4,047 ha (2,000 to 10,000 ac). S2.1 = very threatened S2.2 = threatened S2.3 = no current threats known..
S3	21 to 100 element occurrences OR 3,000 to 10,000 individuals OR 4,047 to 20,235 ha (10,000 to 50,000 ac). S3.1 = very threatened S3.2 = threatened S3.3 = no current threats known
S4	Apparently secure within California; this rank is clearly lower than S3 but factors exist to cause some concern (i.e., there is some threat, or somewhat narrow habitat). NO THREAT RANK.
S5	Demonstrably secure to ineradicable in California. NO THREAT RANK.
SH	All California sites are historic ; the element has not been seen for at least 20 years, but suitable habitat still exists.
SX	All California sites are extirpated ; this element is extinct in the wild.
Notes	
<p>1. Other considerations used when ranking a species or natural community include the pattern of distribution of the element on the landscape, fragmentation of the population/stands, and historical extent as compared to its modern range. It is important to take an aerial view when ranking sensitive elements rather than simply counting element occurrences.</p> <p>2. Uncertainty about the rank of an element is expressed in two major ways: by expressing the rank as a range of values (e.g. S2S3 means the rank is somewhere between S2 and S3), and by adding a ? to the rank (e.g. S2?). This represents more certainty than S2S3, but less than S2.</p>	

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The five basic rankings are summarized below:

- G1/S1 = Critically Imperiled
- G2/S2 = Imperiled
- G3/S3 = Vulnerable
- G4/S4 = Apparently Secure
- G5/S5 = Secure

Similar ranks are assigned for each state, with the CNDDDB having the responsibility of determining the rankings within California. Since the CNDDDB has yet to assign ranks for most species of mollusks, this paper makes recommendations for each native taxon for CNDDDB consideration, based on the known distribution and population size. Population size is generally estimated by each taxon's range and known occurrences.

This list indicates all California counties that each taxon is known from, some of which are supported by voucher specimens at one or more museums, based primarily on the collection at SBMNH.

The author requests any occurrences not listed below to be submitted in an effort to obtain the most complete distribution and range data as possible. Any errors or omissions are the responsibility of the author.

Note: Actual distribution will be much less than depicted by this county presence listing, and abundance levels within a county is not implied; rather, this is only a simple occurrence listing by county, for most cases.

Mollusks of Los Angeles County

Below are lists of terrestrial mollusks (snails and slugs) known to occur in Los Angeles County, listed alphabetically by scientific name (genus and species).

Distribution (atlas) maps are provided for some species on the author's website through the Sespe Institute (<http://www.sespeinstitute.com/>). Additional California county distribution atlas maps are created and posted periodically.

List of Native Taxa

A total of 38 species (including subspecific ranks) of native terrestrial snails and slugs are known to occur in Los Angeles County, including Santa Catalina and San Clemente Islands.

Anadenulus cockerelli Hemphill 1890 (Arionidae family)

Catinella rehderi Pilsbry 1948 (Succineidae family)

Catinella vermeta Say 1829 (Succineidae family)

Cochlicopa lubrica Müller 1774 (Cionellidae family)

Deroceras monentolophus Pilsbry 1944 (Agriolimacidae family)

Glyptostoma gabrielense Pilsbry 1948 (Megomphicidae family)

Haplotrema caelatum Mazȳck 1886 (Haplotrematidae family)

Haplotrema catalinense Hemphill in W.G. Binney 1890 (Haplotrematidae family)

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Haplotrema guadalupense Pilsbry 1927 (Haplotrematidae family)
Hawaiiia minuscula A. Binney 1841 (Pristilomatidae family)
Helminthoglypta fontiphila Gregg 1931 (Helminthoglytidae family)
Helminthoglypta petricola sangabrielis Berry 1920 (Helminthoglytidae family)
Helminthoglypta petricola zechae Pilsbry 1916 (Helminthoglytidae family)
Helminthoglypta traskii pacoimensis Gregg 1931 (Helminthoglytidae family)
Helminthoglypta traskii traskii Newcomb 1861 (Helminthoglytidae family)
Helminthoglypta tudiculata angelena Berry 1938 (Helminthoglytidae family)
Helminthoglypta tudiculata convicta Pilsbry 1913 (Helminthoglytidae family)
Helminthoglypta tudiculata imperforata Pilsbry 1939 (Helminthoglytidae family)
Helminthoglypta uvasana Roth & Hochberg 1992 (Helminthoglytidae family)
Helminthoglypta vasquezii Roth & Hochberg 1992 (Helminthoglytidae family)
Herpeteros angelus Gregg 1949 (Helminthoglytidae family)
Hesperarion hemphilli W.G. Binney 1875 (Arionidae family)
Micrarionta beatula Cockerell 1929 (Helminthoglytidae family)
Micrarionta gabbii Newcomb 1864 (Helminthoglytidae family)
Micrarionta rufocincta Newcomb 1864 (Helminthoglytidae family)
Oxyloma sillimani Bland 1865 (Succineidae family)
Paralaoma caputspinulae Reeve 1852 (Punctidae family)
Pristiloma gabrielinum Berry 1924 (Pristilomatidae family)
Pristiloma shepardae Hemphill 1892 (Pristilomatidae family)
Punctum californicum Pilsbry 1898 (Punctidae family)
Punctum minutissimum I. Lea 1841 (Punctidae family)
Radiocentrum avalonense Hemphill in Pilsbry 1905 (Oreohelicidae family)
Sterkia hemphilli Sterki 1890 (Vertiginidae family)
Xerarionta agnesae Kanakoff 1950 (Helminthoglytidae family)
Xerarionta intercisa W.G. Binney 1857 (Helminthoglytidae family)
Xerarionta kellettii Forbes 1850 (Helminthoglytidae family)
Xerarionta redimita W.G. Binney 1858 (Helminthoglytidae family)
Zonitoides arboreus Say 1816 (Gastrodontidae family)

List of Nonnative Taxa

Below is a simple list of all nonnative (alien) terrestrial mollusks known to occur in Los Angeles County, without details or other information.

- **Capaea nemoralis* (Helicidae family)
- **Cecilioides acicula* (Ferrussaciidae family)
- **Deroceras paormitanum* (Agriolimacidae family)
- **Deroceras reticulatum* (Agriolimacidae family)

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- **Discus rotundatus* (Patulidae family)
- **Eobania vermiculata* (Helicidae family)
- **Helix aspersa* (Helicidae family)
- **Lehmannia valentiana* (Agriolimacidae family)
- **Limax flavus* (Limacidae family)
- **Limax maximus* (Limacidae family)
- **Milax gagates* (Milacidae family)
- **Novisuccinea ovalis* (Succineidae family)
- **Oxychilus cellarius* (Daudebardiidae family)
- **Oxychilus draparnaudi* (Daudebardiidae family)
- **Rumina decollata* (Subulinidae family)
- **Vallonia excentrica* (Valloniidae family)
- **Vallonia pulchella* (Valloniidae family)

Catalogue of Native Species

Below is a detail list of all native terrestrial mollusks known to occur in Los Angeles County. This catalogue includes each taxon's complete scientific name, family affiliation, common name, rarity ranking, and distribution. Photographs of the taxa are provided, when available. Those California county records supported by voucher specimens deposited at the Santa Barbara Museum of Natural History (SBMNH) and posted on that institution's online database are included as well.

Anadenulus cockerelli Hemphill 1890 (Arionidae family)

American Keeled Slug

Rarity Ranking: G1G2, recommended ranking⁵: S1

Distribution: California (endemic)

- Kern County
- Los Angeles County
- Orange County
 - Limestone (Rabbit) Canyon near junction w/road to Black Star Canyon, under old logs (*W.O. Gregg* CAS 16608, 23-May-1942)
- San Diego County

Catinella rehderi (Pilsbry 1948) (Succineidae family)

[*Mediappendix rehderi*, *Quickella rehderi* Pilsbry 1948]

Chrome Ambersnail



Rarity Ranking: G3Q, recommended ranking: S5

⁵ Recommended rarity rankings represent author's recommended rarity ranking category for California, based on known county distribution and specimen records.

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Distribution: Alaska, Washington, Idaho, and Montana to NW Baja California, California, Channel Islands.

- Alameda County
- Contra Costa County
- Inyo County
- Kern County
- Lake County
- Lassen County
- Los Angeles County
 - San Clemente Island
- Marin County
- Mendocino County
- Modoc County
- Plumas County
- San Benito County
- San Bernardino County [Mojave Desert]
- San Diego County
- San Francisco County
- San Joaquin County
- San Luis Obispo County
- San Mateo County
- Santa Barbara County
 - Santa Rosa Island
- Santa Clara County
- Santa Cruz County
- Shasta County
- Sonoma County
- Tulare County
- Ventura County
 - San Nicolas Island, on slope above Sheep Landing Pier, elev. about 120 ft., Sta. 4G; under *Dudleya*, 33.2658348083, -119.499725342 (SBMNH 51665, 10-Aug-1976)
 - San Nicolas Island, about 200 yds. NW of hut near beach in Camp Area, in stream cut bank along ravine, Sta. 2B, 33.2616653442, -119.485275269 (SBMNH 51707, 10-Aug-1976)

Catinella vermeta (Say 1829) (Succineidae family)

[*Mediappendix vermeta* Say, *Succinea vermeta* Bland]

Suboval Ambersnail

Rarity Ranking: G5, recommended ranking: S5

Distribution: Canada: Alberta, British Columbia, New Brunswick, Newfoundland, Nova Scotia, Ontario, Quebec; United States: Alabama, Arizona, California, Florida, Georgia, Iowa, Idaho, Illinois, Kansas, Kentucky, Louisiana, Montana, Maryland, Maine, Minnesota, Mississippi, Missouri, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Pennsylvania, South Carolina, Tennessee, Texas, Utah, Virginia, Vermont, Washington, Wisconsin, and West Virginia.

- Alameda County
- Calaveras County
- Contra Costa County
- Fresno County
- Kern County

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- Lake County
- Los Angeles County
 - San Clemente Island
- Modoc County
- Nevada County
- Riverside County
- San Diego County
- San Francisco County
- San Luis Obispo County
- San Mateo County
- Siskiyou County
- Sonoma County
- Trinity County
- Tulare County
- Ventura County
 - San Nicolas Island

Cochlicopa lubrica (Müller 1774) (Cionellidae family)

[*Helix lubrica*]

Glossy Pillar Snail



Rarity Ranking: G5, recommended ranking: S3

Distribution: Holarctic – North America from northern Alaska to Chihuahua and Nuevo León, Mexico, from near sea level in boreal and cold-temperate areas to higher elevations (>3,000 m) in western and mountain states; Arizona, California.

- Alameda County
- Amador County
- Contra Costa County
- Los Angeles County
 - San Clemente Island
 - Santa Catalina Island
- Sacramento County
- San Bernardino County
- Siskiyou County
- Tehama County
- Ventura County

Deroceras monentolophus Pilsbry 1944 (Agriolimacidae family)

[*Limax laevis*, *Limax campestris* var. *occidentalis*, *Limax hemphilli*, *Agriolimax campestris* var. *zonatipes*]

One-ridge Fieldslug

Rarity Ranking: G4, recommended ranking: S2

Distribution: Seattle, Washington to southern California

- Los Angeles County
- Mendocino County
- Orange County

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- San Diego County

Glyptostoma gabrielense Pilsbry 1948 (Megomphicidae family)

[*Glyptostoma pilsbryanum binneyanum* Berry 1938, *Glyptostoma pilsbryanum pilsbryanum*]

San Gabriel Chestnut



Rarity Ranking: G2/S2, recommended ranking: G1/S1

Distribution: California (narrow endemic)

- Los Angeles County
 - Dominguez Hills, 33.8611106873, -118.233055115 (SBMNH 2079; 34242, Apr-1914, 34240, 13-Jan-1938; 34241; 34243, 1906; 34239, 13-Jan-1938)
 - San Gabriel Mountains, Monrovia Canyon, 34.1738891602, -117.988891602 (SBMNH 34235 Syntype, Mar-1919, 34236, Mar-1919; 34237; 34238)
 - City of Bradley, Bliss Canyon (K. Schmoker 17-Mar-2016), 34.160133° N, 117.968234° W at 1,090 ft

Haplotrema caelatum (Maz̃yck 1886) (Haplotrematidae family)

[*Selenites caelata* Maz̃yck 1886]

Slotted Lancetooth Snail



Rarity Ranking: G1, recommended ranking: S1

Distribution: California to NW Baja California, Mexico

- Los Angeles County
- San Diego County
- Santa Barbara County
- Ventura County
 - Matilija Canyon, Matilija Hot Springs
 - Pine Creek Canyon (tributary to Sespe Creek)
 - Fillmore

Haplotrema catalinense (Hemphill in W.G. Binney 1890) (Haplotrematidae family)

[*Selenites durante* var. *catalinensis* Hemphill in W.G. Binney 1890]

Catalina Lancetooth Snail

Rarity Ranking: G1/S1

Distribution: California (narrow island endemic)

- Los Angeles County
 - Santa Catalina Island: about ½ mi. inland from Avalon power plant; under rocks (SBMNH 3352, 26-May-1959)
 - Santa Catalina Island: Ben Weston Canyon, E facing slope of canyon creek bed, Sta. 103; in oak and cactus litter (SBMNH 142011, 23-Apr-1991)

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- Santa Catalina Island: Hermit Canyon, along horse trail SE of golf course; in rockslide (SBMNH 5934, 22-May-1972)
- Santa Catalina Island: near mouth of Howland Canyon; in leafmold of *Cercocarpus betuloides* var. *blancheae* (SBMNH 7376, 13-Mar-1984)
- Santa Catalina Island: N-facing slope of Bull Rush Canyon, Sta. 18; in leaf litter under grass and coastal live oaks (SBMNH 142037, 25-Feb-1979)
- Santa Catalina Island: Renton Mine Canyon, ½ mi. S of Pebbly Beach power plant, at old mine; in rockslide (SBMNH 5931, 23-May-1972)
- Santa Catalina Island: slope above Middle Creek, Sta. 31; under rocks (SBMNH 142038, 26-Feb-1979)
- Santa Catalina Island: SW of Avalon, at bend in canyon, Sta. 84; under cactus and rocks (SBMNH 142039, 15-Mar-1984)

Haplotrema guadalupense Pilsbry 1927 (Haplotrematidae family)

[*Haplotrema guadalupensis* Pilsbry 1927]

Guadalupe Island Lancetooth Snail

Rarity Ranking: G2G4, recommended ranking: G1/S1

Distribution: Channel Islands - Isla Guadalupe, Baja California del Norte, Mexico (Type Locality) and San Clemente Island.

- Los Angeles County
 - San Clemente Island

Hawaiiia minuscula (A. Binney 1841) (Pristilomatidae family)

[*Helix minuscula* A. Binney]

Minute Gem Snail



Photo by David Kirsh

Rarity Ranking: G5, recommended ranking: S4

Distribution: North America from Alaska and Newfoundland south to Central America and the Antilles; California.

- Alameda County
- Los Angeles County
- Monterey County
- Napa County
- Riverside County
- San Bernardino County
- San Diego County
- San Mateo County
- Santa Clara County

Helminthoglypta fontiphila Gregg 1931 (Helminthoglyptidae family)

Soledad Shoulderband Snail

Rarity Ranking: G1/S1

Distribution: California (narrow endemic)

- Los Angeles County

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- San Gabriel Mountains, N side, at Little Rock Creek Canyon, ½ mile [0.8 km] below dam, 34.4783325195, -118.023887634 (SBMNH 1746, 35248, 10-May-1931)
- San Gabriel Mountains, N side, at Little Rock Creek Canyon, 34.4688873291, -118.018890381 (SBMNH 142718)
- Soledad Canyon, near Acton, under logs in dry wash, 34.4700012207, -118.195999146 (SBMNH 107268, Mar-1931; CAS 33763)
- Liebre Mountains, Castaic Creek 5 miles N of Saugus (*S.C. Field* CAS 36787; *A.G. Smith* CAS 36794, 22-Dec-1921)

Helminthoglypta petricola sangabrielis (Berry 1920) (Helminthoglytidae family)

[*Epiphragmophora petricola sangabrielis* Berry 1920]

San Gabriel Shoulderband Snail



Rarity Ranking: G1, recommended ranking: S1

Distribution: California (narrow endemic)

- Los Angeles County
 - San Gabriel Mountains, Fish Canyon, 34.0999984741, -117.900001526 (SBMNH 107454, 1-Jan-1920)
 - San Gabriel Mountains, San Dimas Canyon, 34.19388896179, -117.75 (SBMNH 107452, Sep-1920)
 - San Gabriel Mountains, San Gabriel Canyon, 34.1500015259, -117.900001526 (SBMNH 107453, 1920; SBMNH 142767)
 - San Gabriel Mountains, vicinity Hoegee's Camp, Winter Creek branch of Big Santa Anita Canyon (SBMNH 107101, 2-Feb-1930)
 - San Gabriel Mountains, Millard's Canyon N of Pasadena (*E.P. Chace* GE43031 CAS 36063)
 - San Gabriel Mountains, Monrovia Canyon (*G. Willett* TYX 44221 CAS 66387, Mar-1919?)
- San Bernardino County
 - Ontario, foothill canyon, under dry leaves, 34.0499992371, -117.650001526 (SBMNH 102667, 1908)
 - San Bernardino Mountains, Miller Canyon, East Fork West Fork Mojave River; in stream-drift debris piles around bases of alders, (SBMNH 142768, 23-Aug-1985)

Helminthoglypta petricola zechae Pilsbry 1916 (Helminthoglytidae family)

[*Epiphragmophora zechae* Pilsbry 1916]

San Antonio Canyon Shoulderband Snail



Rarity Ranking: G1, recommended ranking: S1

Distribution: California (narrow endemic)

- Los Angeles County
 - San Gabriel Mountains, Bear Canyon in San Antonio Canyon (SBMNH 142766, 4-Jun-1920)

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- San Gabriel Mountains, Evey Canyon W of San Antonio Canyon, 34.1630554199, -117.681114197 (SBMNH 32892, 1912)
- San Gabriel Mountains, Palmer Canyon, 1 mi. W of San Antonio Canyon (SBMNH 142762, 5-Jun-1920)
- San Bernardino County
 - Cucamonga Canyon, 34.1500015259, -117.633331299 (SBMNH 32891, Apr-1912)
 - San Gabriel Mountains, Bear Canyon, 34.2333335876, -117.650001526 (SBMNH 142760, 4-Jun-1920)
 - San Gabriel Mountains, Bear Flats, 34.2504, -117.6504 (SBMNH 142764, 4-Jun-1920)
 - San Gabriel Mountains, Bear Flats, Baldy Trail, 34.25, -117.633331299 (SBMNH 104942, 31-Jul-1920)
 - San Gabriel Mountains, Icehouse Canyon (SBMNH 142765, 6-Jun-1920)
 - San Gabriel Mountains, Lower Bear Creek Canyon, 34.0999984741, -117 (SBMNH 104067, 4-Jun-1920)
 - San Gabriel Mountains, Lytle Creek Canyon, 34., -116.916664124 (SBMNH 107451, Apr-1920)
 - San Gabriel Mountains, near Camp Baldy (Mt. Baldy), 34.25, -117.616668701 (SBMNH 142756, 1-Jun-1920)
 - San Gabriel Mountains, S wall of Lytle Canyon at narrows, 34., -117.199996948 (SBMNH 107450, 27-Dec-1920)
 - San Gabriel Mountains, San Antonio Canyon, 3.5 mi from mouth (SBMNH 104000, 30-May-1918)
 - San Gabriel Mountains, San Antonio Canyon, 34.0999984741, -117.599998474 (SBMNH 102670, 4-Apr-1908)
 - San Gabriel Mountains, Upper San Antonio Canyon, 34.0999984741, -117.599998474 (SBMNH 142763, 2-Jun-1920)
 - San Gabriel Mountains, W Fork Cucamonga Canyon, 34.1500015259, -117.633331299 (SBMNH 104943, 1-Apr-1920)
 - San Gabriel Mountains, off Lytle Creek, Grizzly Gulch, from beneath logs & rocks along slopes of canyon (V.W. Owen GE 42707 CAS 36068, 1-Jun-1925)

Helminthoglypta traskii pacoimensis Gregg 1931 (Helminthoglytidae family)

[*Helminthoglypta traski pacoimensis* Gregg 1931]

Pacoima Shoulderband Snail

Rarity Ranking: G1G2T1, recommended ranking: G1T1/S1

Distribution: California (narrow endemic)

- Los Angeles County
 - San Gabriel Mountains, Lower Pacoima Canyon, 34.3479995728, -118.383003235 (SBMNH 111906, 4-Dec-1942)
 - San Gabriel Mountains, Pacoima Canyon ½ mi [0.8 km] below prison camp; under bark & fragments of broken logs, 34.342300415, -118.374000549 (SBMNH 35253, 21-Feb-1931)

Helminthoglypta traskii traskii (Newcomb 1861) (Helminthoglytidae family)

[*Helix traskii*, *Lysinoe franki*, *Sonorella betheli*, *Epiphragmophora traskii major*, *Epiphragmophora traskii saucius*, *Epiphragmophora traskii verna*]

Peninsular Range or Trask Shoulderband Snail



Rarity Ranking: G1G2T1, recommended ranking: G2T2/S2

Distribution: California, Baja California, Mexico

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- Alameda County
 - No location (SBMNH 104143) – Likely not ssp. *traskii*
- Kern County
 - San Emigdio Range, Fort Tejon at Fort Tejon Monument on ground in oak grove, 34.8666648865, -118.883331299 (SBMNH 15497, 21-Sep-1963)
 - San Emigdio Range, Ridge Route ½ mi. N of Tejon Inn, under rotten logs near spring on W side of highway (SBMNH 112576, 4-Feb-1945)
 - Temblor Range, Salt Creek Canyon, about 4 mi. up under dead Yucca, 35.3833351135, -119.75 (SBMNH 107052, 14-Dec-1929)
- Los Angeles County
 - El Segundo, 33.9000015259, -118.416664124 (SBMNH 104120, Nov-1918)
 - Hermosa Beach, sand dunes at 24th Street in weeds, 33.861946106, -118.398887634 (SBMNH 103093, 27892, Dec-1935; 27837)
 - Los Angeles Plain, Sunset Boulevard & Benton Way, Los Angeles, 34.0800018311, -118.269996643 (SBMNH 27720, 142783, 1915; 103515, Feb-1916) EXTIRPATED
 - Los Angeles, Elysian Park, Riverside Drive slope, 34.0788879395, -118.236946106 (SBMNH 108770, 25-Dec-1933)
 - Palos Verdes Peninsula, Palos Verdes Hills, 33.7469444275, -118.334999084 (SBMNH 23386, 1966; 27834)
 - Palos Verdes Peninsula, Point Fermin, in cactus patch at top of ocean bluff, 33.7050018311, -118.293052673 (SBMNH 142805, 142780, 27857; 41676, 2-Mar-1931)
 - Palos Verdes Peninsula, Point Vincent, 33.7411117554, -118.410003662 (SBMNH 104589)
 - Palos Verdes Peninsula, Rancho Palos Verdes, cliff W end of Barkentine Rd., N side Abalone Cove under *Opuntia* & *Rhus*, 33.801109314, -118.388885498 (SBMNH 142806, 17-Mar-1984)
 - San Fernando Valley, Los Angeles River at Tujunga Avenue, 33.7833328247, -118.199996948 (SBMNH 142781, 142786, 142791)
 - San Gabriel Mountains, Millards Canyon, 34.2038879395, -118.166114807 (SBMNH 142779, 9-Nov-1917; 142784, 3-Jun-1917; 103957, 3-Mar-1918)
 - San Gabriel Mountains, Arroyo Seco (SBMNH 142785, 14-Jan-1917)
 - San Pedro Hills, 33.7461128235, -118.335281372 (SBMNH 142782)
 - San Pedro, under cactus, 33.7333335876, -118.283332825 (SBMNH 142787, Jan-1949; 142792)
- Orange County
- San Bernardino County
 - Reche Canyon, near base of N outlier of Blue Mountain, 34.03, -117.28 (SBMNH 109649, 28-Dec-1940)
- San Diego County
 - Coronado Island, 32.6833343506, -117.166664124 (SBMNH 106819)
 - De Luz, E side, along and below loose stones, mature example from rubbish in Poison Oak tangle (SBMNH 108918, 15-May-1939)
 - Oceanside (SBMNH 103093)
 - San Diego, near, 32.7166671753, -117.150001526 (SBMNH 104588)
- San Luis Obispo County
 - Oso Flaco Lake, 35.0166664124, -120.616668701 (SBMNH 142789, 8-Dec-1940)
- Santa Barbara County
 - Santa Ynez Mountains, Hollister's Santa Anita Ranch, 34.4833335876, -120.316665649 (SBMNH 142798)
- Ventura County
 - Santa Monica Mountains, Point Mugu area, 34.0833320618, -119.050003052 (SBMNH 105559, Sep-1921; 27938, 1-Jun-1923)
 - Santa Clara River Valley, Bardsdale (SBMNH 102668)
 - Santa Paula Ridge, SW base on Limoneira Ranch E of Santa Paula in dry wash in foothills above ranch (SBMNH 106908, 1929)

Terrestrial Gastropods of Los Angeles County

- Tierra Rejada Valley, road to Santa Rosa Valley, 2 mi from Simi, among cactus on hillside (SBMNH 105605, 1-Jun-1923)
- No location given (SBMNH 3689, 142788)
- Conejo Valley, Newbury Park on Moser parcel on La Cam Road.
- Conejo Mountains, N-facing slopes of California State University, Channel Islands (April 2013 – Steven Norris)

Helminthoglypta tudiculata angelena Berry 1938 (Helminthoglytidae family)

Southern California Shoulderband Snail



Rarity Ranking: G2G3, recommended ranking: G1T1/S1

Distribution: California (narrow endemic)

- Los Angeles County
 - Berry Canyon, Hill Top Quarry (SBMNH 142819, Nov-1938)
 - Cerritos (SBMNH 142820)
- Riverside County
 - Box Springs Mt., large ravine on NE side of, 33.9329986572, -117.289001465 (SBMNH 108859, 26-Nov-1938)
- San Bernardino County
 - Reche Canyon, at base of draw on NW slope of N outlier of Blue Mountain (SBMNH 109648, 28-Dec-1940)
 - San Timoteo Canyon, lower end of on NE side, 34.0166664124, -117.199996948 (*L.G. Ingles* TYX 43848 SBMNH 34220/CAS 65928, 1-Feb-1928; SBMNH 34219 Holotype, Jan-1928)

Helminthoglypta tudiculata convicta Pilsbry 1913 (Helminthoglytidae family)

Southern California Shoulderband Snail



leftmost photo from <http://members.tripod.com/arnobrosi/oreohelicidae.html>

Rarity Ranking: G2G3, recommended ranking: G2T2/S2

Distribution: (Southern) California (narrow endemic)

- Los Angeles County
 - Arroyo Seco (SBMNH 105203, 14-Jan-1917)
 - Chiquita Canyon Landfill, steep N-facing slope immediately NE of active landfill area (*D.L. Magney 127-16⁶* SBMNH) – middle photo above - immature⁷
 - Dominguez Hills, 33.8611106873, -118.233055115 (SBMNH 108768)
 - Long Beach, Signal Hill, 33.7999992371, -118.160003662 (SBMNH 102672)

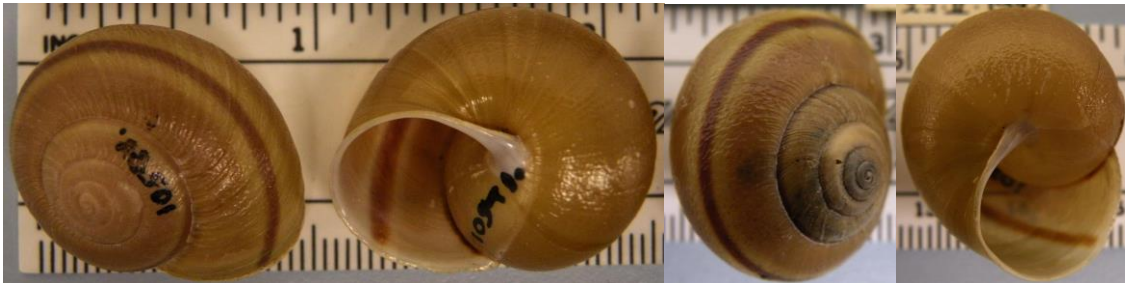
⁶ Identification determined by Barry Roth, pers. comm., email dated 10 May 2016

⁷ May represent undescribed taxon (Barry Roth, pers. comm., email dated 9 May 2016)

Terrestrial Gastropods of Los Angeles County

- Los Angeles, Boyle Heights, (SBMNH 27725)
- Pasadena, Eaton Canyon, 34.1899986267, -119.103889465 (SBMNH 27897)
- Pomona, 34.0550003052, -117.751113892 (SBMNH 102669)
- San Gabriel Mountains, near Mount Gleason, 34.3666648865, -118.199996948 (SBMNH 3341)
- San Pedro, Hilltop Quarry, 33.7511100769, -118.299446106 (SBMNH 108906, Feb-1939)
- San Pedro, large gulley near Peck Park, 33.748664856, -118.308998108 (SBMNH 27891)
- Santa Catalina Island, Eagle Rock, 32.4500007629, -118.5 (SBMNH 104024, 1918)
- Santa Clara River floodplain, Newhall Ranch⁸ (Huntley pers. comm.⁹)
- Tujunga Wash, below mouth of Canyon, 34.1452789307, -118.388336182 (SBMNH 105560, Apr-1922)
- Orange County
 - El Foso, Arch Beach, Laguna Beach, 33.5216674805, -117.765274048 (SBMNH 120371, 1930)
 - Newport Bay Mesa; on large rocks in canyon near fossil diggings, 33.6333351135, -117.866668701 (SBMNH 10692, Feb-1956)
- San Bernardino County
 - San Bernardino Mts., ½ mi. above mouth of Santa Ana Canyon, 34.0999984741, -117.099998474 (SBMNH 142821, 12-Mar-1927)
- Ventura County
 - Santa Clara River Valley, Bardsdale (SBMNH 102673)

Helminthoglypta tudiculata imperforata Pilsbry 1939 (Helminthoglytidae family)
Southern California Shoulderband Snail



Rarity Ranking: G2G3, recommended ranking: G1T1/S1

Distribution: California (narrow endemic)

- Los Angeles County
 - San Gabriel Valley, Puddingstone Canyon, S. of Glendora, 34.081943512, -117.798057556 (SBMNH 108737, 6-Mary-1928)
- Riverside County
 - Sage, on hillside just back of store; under boards and rubbish at edge of chaparral, 33.5820007324, -116.930999756 (SBMNH 110591, 22-Feb-1942)
- San Bernardino County
 - East Highlands, ravine back of, 34.0999984741, -117.099998474 (SBMNH 142823, 18-Apr-1938)
 - Ontario in orange grove, 34.0499992371, -117.650001526 (SBMNH 35280, 1908)
 - Ontario (Upland), Mountain Ave. & 20th St., under stone pile, 34.1333351135, -117.666664124 (SBMNH 102671, Nov-1908)
 - San Gabriel Mountains, Frankish Canyon, 34.2999992371, -117.900001526 (SBMNH 102676, 1-Apr-1908)

⁸ Ibid.

⁹ Huntley, Chris, Aspen Consultants, personal communication, 12 March 2010, email to Phil Behrends et al. regarding snail survey methods and results for Newhall Ranch.

Terrestrial Gastropods of Los Angeles County

- San Gabriel Mountains, San Antonio Canyon, mouth of, 34.0999984741, -117.599998474 (SBMNH 27893, 30-May-1918)

Helminthoglypta uvasana Roth & Hochberg 1992 (Helminthoglytidae family)

Grapevine Shoulderband Snail

Rarity Ranking: G1G2/S1, recommended ranking: G1/S1

Distribution: California (narrow endemic)

- Kern County
 - San Emigdio Ranch, Tejon Ranch, Grapevine Canyon, ¼ mi. S of Old Fort Tejon, along Grapevine Creek, immediately north of boundary of Fort Tejon State Historical Monument; 940 m; under downed log of *Quercus lobata*, in brush, and in wood rat nets, 34.875606, -118.894487 (CAS 036290, SBMNH 35566, 9-Mar-1987)
- Los Angeles County
 - Liebre Mountains, Oak Flat Ranger Station, 34.599850, -118.722907 (CAS 036300)

Helminthoglypta vasquezii Roth & Hochberg 1992 (Helminthoglytidae family)

Vasquez Shoulderband Snail

Rarity Ranking: G1, recommended ranking: S1

Distribution: California (narrow endemic)

- Los Angeles County
 - Liebre Mountains, Agua Dulce Canyon, 2.4-3.4 km from junction with Soledad Canyon (SBMNH 35575-82)
 - Liebre Mountains, Vasquez Rocks, Vasquez Rocks County Park, in small N-facing amphitheater S of road, W of most prominent outcrops, in clumps of *Yucca whipplei* (SBMNH 35569-74 Holotype, 12-Feb-1988)
 - Santa Suzanna Mountains, Salt Creek Canyon of Newhall Ranch (Huntley pers. comm.¹⁰)
 - Santa Suzanna Mountains, Potrero Canyon on Newhall Ranch (Huntley pers. comm.¹¹)

Herpeteros angelus (Gregg 1949) (Helminthoglytidae family)

[*Sonorelix angelus* Gregg 1949]

Soledad Desertsnail



Rarity Ranking: G1G2/S1

Distribution: California (narrow endemic)

- Los Angeles County
 - Mint Canyon, W side of canyon, 1.2 mi. N of Solemint; under yucca, 34.4199981689, -118.449996948, 2-Apr-1960 (SBMNH 74123)
 - Soledad, 1.2 mi. up canyon from Solemint junction, on W side of highway; under dead yuccas, 34.4199981689, -118.449996948 (SBMNH 74614)
 - Soledad, 1.7-1.9 mi. up canyon from Solemint junction on N side of canyon within 300 yds of highway; under dead yuccas, 34.4241676331, -118.540557861, 15-Feb-1956 (SBMNH 72438)

¹⁰ Huntley, Chris, Aspen Consultants, personal communication, 12 March 2010, email to Phil Behrends et al. regarding snail survey methods and results for Newhall Ranch.

¹¹ Ibid.

Terrestrial Gastropods of Los Angeles County

- Soledad, NW side of canyon, 1.0 mi. NE of junc. with Soledad Canyon road at Solemint; under dead yuccas near highway, 34.4199981689, -118.449996948 (SBMNH 72421, 15-Feb-1956)

Hesperarion hemphilli (W.G. Binney 1875) (Arionidae family)

[*Ariolimax hemphilli* W.G. Binney 1875, *Ariolimax hemphilli* var. *maculatus* Cockerell in W.G. Binney 1890]

Hemphill Westernslug

Rarity Ranking: G2, recommended ranking: S2

Distribution: California (endemic)

- Alameda County
 - Niles (*H. Hemphill* 16522 CAS 29771)
- Los Angeles County
- Monterey County
 - Cypress Point (*A.G. Smith* 16523 CAS 29746, 7-Mar-1941)
- Orange County
- San Benito County
- San Luis Obispo County
- Sonoma County
 - Glen Ellen, E of (*E.J. Kools* 21975 CAS 85856, 10-Dec-1992)
- San Mateo County
 - Tunitas Canyon, 6 miles S of Half Moon Bay (*W.H. Lange* 16526 CAS 29770, 31-Mar-1940)
 - Tunitas Canyon, 8 miles S of Half Moon Bay (*W.H. Lange* 16521 & 16525 CAS 29772, 29773, 5-Mar-1940)
- Santa Barbara County
 - Santa Cruz Island

Micrarionta beatula Cockerell 1929 (Helminthoglytidae family)

Avalon Islandsnail



Rarity Ranking: G1, recommended ranking: S1

Distribution: California (narrow island endemic)

- Los Angeles County
 - Santa Catalina Island, above Lover's Cove, under *Carpobrotus* (SBMNH 141993, 3-Aug-1956)
 - Santa Catalina Island, along horse trail in Hermit Canyon, just S & E of golf course; in rockslides (SBMNH 75933, 24-May-1972)
 - Santa Catalina Island, along road from Monument in arboretum to top of ridge; leafmold & under rocks, bushes (SBMNH 77382, 16-Mar-1984)
 - Santa Catalina Island, Ben Weston Canyon, under loose rocks, logs, cactus, along bottom on canyon near mouth (SBMNH 77379, 141999, 14-Mar-1984)
 - Santa Catalina Island, canyon behind Pebbly Beach power plant, live, under rocks & brush on wooded slope (SBMNH 77253, 5-Jan-1982)
 - Santa Catalina Island, canyon behind Pebbly Beach power plant; live, under rocks & brush, on wooded slope (SBMNH 77253, 5-Jan-1982)
 - Santa Catalina Island, in Avalon, along Avalon-Pebbly Beach Rd.; under rocks at base of cliffs opposite Crescent Beach (SBMNH 75935, 22-May-1972)
 - Santa Catalina Island, near Avalon (SBMNH 142877, 142879, Aug-1903)

Terrestrial Gastropods of Los Angeles County

- Santa Catalina Island, NW of East Peak, along roadcut of firebreak, under *Rhus integrifolia* and *Salvia mellifera* (SBMNH 141998, 4-Dec-1978)
- Santa Catalina Island, NW of East Peak, E of junction along firebreak in leaf litter under *Salvia mellifera* (SBMNH 141997, 5-Apr-1980)
- Santa Catalina Island, on slope below upper landfill (SBMNH 141995-6, 23-Apr-1987)
- Santa Catalina Island, Renton Mine canyon at old mine, ~ ½ mi S of Pebbly Beach power plant, in rockslides, 33.4500007629, -118.416664124 (SBMNH 75930, 23-May-1972)
- Santa Catalina Island, Renton Mine canyon at old mine, ~ ½ mi S of Pebbly Beach power plant, in rockslides (SBMNH 75930, 23-May-1972)
- Santa Catalina Island, Sweet Water Canyon, in vicinity of well head 1, under *Opuntia littoralis* and *Quercus agrifolia* (SBMNH 142002, 23-Apr-1991)
- Santa Catalina Island, up canyon from Johnson's Cove (SBMNH 107290)
- Santa Catalina Island, W-facing slope of Edison Rock (SBMNH 141994, 23-Apr-1987)

Micrarionta gabbii (Newcomb 1864) (Helminthoglytidae family)

[*Helix gabbii* Newcomb 1864, *Micrarionta gabbi* forma *maxima* Pilsbry 1939]

San Clemente Islandsnail



Rarity Ranking: G1/S1

Distribution: California (narrow island endemic)

- Los Angeles County
 - San Clemente Island, down China Canyon, under burned cholla cactus (SBMNH 141910, 3-Oct-1982)
 - San Clemente Island, in ravine by runway, under cactus (SBMNH 73144, 30-Nov-1958)
 - San Clemente Island, Mosquito Harbor (SBMNH 106308, 6-May-1927)
 - San Clemente Island, on road down to Eel Point, in *Lycium* and *Opuntia* (SBMNH 141907-9, 2-Oct-1982)
 - San Clemente Island, up Horse Beach Canyon, under *Heteromeles arbutifolia* (SBMNH 141911, 3-Oct-1982)

Micrarionta rufocincta (Newcomb 1864) (Helminthoglytidae family)

[*Helix rufocincta* Newcomb 1864, *Helix tenuistriata* W.G. Binney 1869, *Epiphragmophora catalinae* Dall 1900, *Micrarionta rufocincta* forma *cello* Pilsbry 1939, *Micrarionta rufocincta* forma *labiosa* Pilsbry 1939]

Santa Catalina Islandsnail



Rarity Ranking: G1, recommended ranking: S1

Distribution: California (narrow island endemic)

- Los Angeles County
 - San Clemente Island (SBMNH 142899)
 - Santa Catalina Island, above Fourth-of-July Canyon, under cactus (SBMNH 72848, 22-Nov-1957)
 - Santa Catalina Island, Avalon near Wrigley home, in grass & leaves in canyon (SBMNH 41685)
 - Santa Catalina Island, Ben Weston Canyon, in rockslide on left bank, near mouth of canyon, under *Rhus integrifolia* (SBMNH 77377, 14-Mar-1984)
 - Santa Catalina Island, Cherry Valley (SBMNH 100345, Aug-1903)

Terrestrial Gastropods of Los Angeles County

- Santa Catalina Island, Fishermans Cove, up S-facing slope behind marine lab, under *Artemisia* and *Opuntia* (SBMNH 141987, 8-Apr-1980)
- Santa Catalina Island, Fourth-of-July Canyon (SBMNH 33896, 13-Mar-1984)
- Santa Catalina Island, Howland Canyon, near mouth, under rocks in humus under *Prunus* (SBMNH 77383, 13-Mar-1984)
- Santa Catalina Island, Little Harbor, on N side, under cactus (SBMNH 77388, 14-May-1984)
- Santa Catalina Island, on NE-facing slope up canyon from Parsons Landing, under *Opuntia* (SBMNH 141986, 7-Apr-1980)
- Santa Catalina Island, The Isthmus (SBMNH 34361, 34363, 51644)
- Santa Catalina Island, The Isthmus in a wash due S of USC Marine Lab, under rocks (SBMNH 75926, 28-Mar-1972)
- Santa Catalina Island, Two Harbors Campground, under *Heteromeles arbutifolia*, near beach (SBMNH 77381, 12-Mar-1984)
- Santa Catalina Island, up canyon from Sputing Caves, in boulders (SBMNH 141988, 11-Mar-1984)
- Santa Catalina Island, Upper Buffalo Corral Reservoir (SBMNH 142035, 12-Mar-1984)

Oxyloma sillimani (Bland 1865) (Succineidae family)

[*Succinea sillimani* Bland 1865]

Humboldt Ambersnail



Rarity Ranking: G2, recommended ranking: S2

Distribution: eastern Washington, Nevada, California

- Los Angeles County
- Riverside County
- San Benito County
- Santa Clara County

Paralaoma caputspinulae (Reeve 1852) (Punctidae family)

[*Helix servilis* Shuttleworth 1852, *Zonites diegensis* Hemphill in W.G. Binney 1892, *Punctum conspectum* var. *pasadenae* Pilsbry 1896, *Paralaoma servilis* Shuttleworth 1852]

Pinhead Spot

Rarity Ranking: G5, recommended ranking: S5

Distribution: North America, from Alaska through Idaho and New Mexico to Jalisco, Mexico; very widespread in temperate regions of the world.

- Alameda County
- Butte County
- Calaveras County
- Contra Costa County
- Del Norte County
 - Ender's Beach (SBMNH 107980, Oct-1932)
- Humboldt County
 - Lighthouse Road 0.7 mi from mouth of Mattole River, at base of slope under logs (SBMNH 77990, 9-Feb-1991)
- Kern County
 - Kern River, river bottom ¾ mi N of China Grade NE of Bakersfield (SBMNH 107230, 21-Feb-1931)

Terrestrial Gastropods of Los Angeles County

- Los Angeles County
 - Los Angeles Plain, Los Angeles Junior College, under *Araucaria* tree, 34.0870018005, -118.292999268 (SBMNH 108447, 6-Jul-1936)
 - Los Angeles: 344 N. Berendo St., 34.0768318176, -118.294334412 (SBMNH 8082, 13-Feb-1962);
 - San Gabriel Valley, Pasadena, 34.1480560303, -118.143890381 (SBMNH 144392); 34.1480560303, -118.143890381 (SBMNH 137)
 - San Gabriel Valley, Puddingstone Canyon, under rocks at: 34.081943512, -117.798057556 (SBMNH 144390, 2-May-1936)
 - Santa Catalina Island, along road from Monument in arboretum to ridgecrest; in leafmold, 33.3833351135, -118.416664124 (SBMNH 77391, 16-Mar-1984)
- Marin County
- Mendocino County
- Merced County
- Monterey County
 - Monterey Peninsula, Pacific Grove (SBMNH 103587)
 - Monterey Peninsula, Point Lobos State Reserve, in Allen Memorial Grove of Monterey Cypress, in leafmold (SBMNH 77431, 15-Aug-1984)
- Napa County
- Orange County
- Plumas County
 - Blairsden, near (*A.G. Smith 65974 CAS 37056*, 3-Aug-1951)
- San Benito County
- San Bernardino County
 - Redlands, a few blocks from home of Dr. S.S. Berry, by lily pond, under rock (SBMNH 71782, 13-Feb-1955)
 - Redlands, The Heights (SBMNH 10369, 31-Dec-1913)
 - San Bernardino Mountains, cienaga below of Dry Lake (SBMNH 103139, 16-Aug-1913)
 - San Bernardino Mountains, cienaga SW of Green Valley (SBMNH 102835, Jul-1908)
 - San Bernardino Mountains, vicinity of Bluff Lake (SBMNH 102836, Aug-1910)
 - Santa Ana River, wash, SE of San Bernardino (SBMNH 106604, 1-Mar-1928)
- San Diego County
 - Peninsular Range, near Julian (SBMNH 107380)
 - San Diego Bay, Asher Station, False Bay, in drift, near San Diego (SBMNH 103585, 28-Mar-1916)
 - Alpine, at junction of [Los] Terrinitos Rd. & US Hwy 80, near Japatul [Valley] Road exit on I-8, in oaks under boards and sticks (SBMNH 76499, 9-Jan-1975)
- San Francisco County
 - San Francisco, Buena Vista Park (*Roth BR-117 CAS 37054*, 2-Jul-1970)
- San Joaquin County
- San Luis Obispo County
- San Mateo County
- Santa Barbara County
 - Santa Cruz Island
- Santa Clara County
 - Palo Alto, Stanford University (SBMNH 102834, Nov-1905)
- Santa Cruz County
 - Santa Cruz, garden at 128 Minnie Street (SBMNH 118907)
- Sonoma County
- Tehama County
- Tulare County
- Tuolumne County

Terrestrial Gastropods of Los Angeles County

- Yuba County
 - Yuba River, riparian woods near Hammonton (SBMNH 103683, 18-Sep-1916)

Pristiloma gabrielinum (Berry 1924) (Pristilomatidae family)

[*Polita gabrielina* Berry 1924]

San Gabriel Waxy Tightcoil Snail

Rarity Ranking: G1G2, recommended ranking: G1/S1

Distribution: California (endemic)

- Fresno County
- Los Angeles County
- San Bernardino County

Pristiloma shepardae Hemphill 1892 (Pristilomatidae family)

Island Tightcoil Snail

Rarity Ranking: G1/S1

Distribution: California (island endemic)

- Los Angeles County
 - Santa Catalina Island, near Avalon, in canyon behind Avalon Power Plant, about ½ mi. inland (SBMNH 74701, 29-May-1959)
- Santa Barbara County
 - Santa Cruz Island
- Ventura County
 - Anacapa Islands, West Anacapa Island

Punctum californicum Pilsbry 1898 (Punctidae family)

California Ribbed Spot

Rarity Ranking: G5N5, recommended ranking: S5

Distribution: Montana, South Dakota, south to Arizona and southern California

- Alameda County
- Amador County
- Calaveras County
- Del Norte County
- El Dorado County
- Fresno County
- Humboldt County
- Inyo County
- Los Angeles County
- Marin County
- Mariposa County
- Mendocino County
- Modoc County
- Mono County
- Monterey County
- Nevada County
- Placer County
- Plumas County
- Riverside County
- San Benito County
- San Bernardino County
- San Diego County

Terrestrial Gastropods of Los Angeles County

- San Francisco County
- San Mateo County
- Siskiyou County
- Trinity County
- Tulare County
- Tuolumne County
- Ventura County

Punctum minutissimum (I. Lea 1841) (Punctidae family)

[*Helix minutissima* Lea 1841]

Small Spot Snail



Photo by David Kirsh

Rarity Ranking: G5, recommended ranking: S2

Distribution: Canada, Oregon and Idaho to New England, south to Puebla, Mexico.

- Alameda County
- Contra Costa County
- Los Angeles County
 - Santa Catalina Island, feeder canyon to the west of Bull Rush Canyon, Sta. 25; along creek bottom in leaf litter (SBMNH 141960, 25-Feb-1979)
- Mendocino County
- Sonoma County

Radiocentrum avalonense (Hemphill in Pilsbry 1905) (Oreohelicidae family)

[*Oreohelix avalonensis* Hemphill in Pilsbry 1905, *Helix* var. *avalonensis* Hemphill 1911]

Catalina Mountainsnail



Rarity Ranking: G1/S1

Distribution: California (narrow island endemic)

- Los Angeles County
 - Santa Catalina Island, (SBMNH 33996)

Sterkia hemphilli Sterki 1890 (Vertiginidae family)

[*Pupa hemphilli* Sterki 1890]

California Birddrop



Terrestrial Gastropods of Los Angeles County

Rarity Ranking: G2, recommended rankings: S1

Distribution: California, northwestern Baja California

- Los Angeles County
 - Santa Catalina Island
- San Bernardino County
- San Diego County
- San Luis Obispo County

Xerarionta agnesae (Kanakoff 1950) (Helminthoglytidae family)

[*Micrarionta agnesae* Kanakoff 1950]

Agnes' Cactusnail

Rarity Ranking: none, recommended ranking: GX/SX

Distribution: Late Pleistocene California

- Los Angeles County
 - San Clemente Island

Xerarionta intercosa (W.G. Binney 1857) (Helminthoglytidae family)

[*Helix intercosa* W.G. Binney 1857, *Helix crebri-striata* Newcomb 1864, *Helix intercosa* var. *albida* Hemphill 1891, *Helix intercosa* var. *elegans* Hemphill 1891, *Helix intercosa* var. *minor* Hemphill, *Helix intercosa* var. *nepos* Hemphill 1891, *Micrarionta* forma *callojunctis* Pilsbry 1939, *Micrarionta ductor* Pilsbry 1939, *Micrarionta intercosa* forma *pruer* Pilsbry 1939]

Plain Cactusnail



Rarity Ranking: G1; recommended ranking: S1

Distribution: California (narrow island endemic)

- Los Angeles County
 - San Clemente Island

Xerarionta kelletii (Forbes 1850) (Helminthoglytidae family)

[*Helix kelletii* Forbes 1850, *Helix kelletii* var. *albida*, *Helix kelletii* var. *castaneus*, *Helix kelletii* var. *bicolor*, *Helix kelletii* var. *californica*, *Helix kelletii* var. *forbesi*, *Helix kelletii* var. *frater*, *Helix kelletii* var. *multilineatus*, *Helix kelletii* var. *nitidus*, *Helix kelletii* var. *tricolor*]

Catalina Cactusnail



Rarity Ranking: G1, recommended ranking: S1

Distribution: California (narrow endemic)

- Los Angeles County
 - Santa Catalina Island
 - Palos Verdes Peninsula (Point Fermin, Point Vincent, Portuguese Bend, San Pedro)

Terrestrial Gastropods of Los Angeles County

Xerarionta redimita (W.G. Binney 1858) (Helminthoglytidae family)

[*Helix redimita* W.G. Binney 1858, *Helix* [*kelletii* var.] *redimita* var. *castaneus* Hemphill 1891, *Helix redimita* var. *hybrida* Hemphill 1891, *Micrarionta redimita* forma *inconstans* Pilsbry 1939, *Epiphragmophora clementina* Dall 1900]

Wreathed Cactusnail

Rarity Ranking: G1G2/S1

Distribution: California (narrow island endemic)

- Los Angeles County
 - San Clemente Island

Zonitoides arboreus (Say 1816) (Gastrodontidae family)

[*Helix arboreus* Say 1816]

Quick Gloss [Snail]



Rarity Ranking: G5, recommended ranking: S5

Distribution: Widespread in North and Central America, from N Canada to Costa Rica; West Indies; California.

- Alameda County
- Alpine County
- Butte County
- Calaveras County
- El Dorado County
- Fresno County
- Inyo County
- Kern County
- Lake County
- Los Angeles County
 - Santa Catalina Island
- Madera County
- Mariposa County
- Mendocino County
- Merced County
- Modoc County
- Nevada County
 - Boca Spring, under rock & wood beside spring (*E.J. Kools EJ-58 CAS 112138, 26-Aug-1997*)
- Placer County
- Plumas County
- Riverside County
- Sacramento County
- San Bernardino County
- San Diego County
- San Francisco County
- San Luis Obispo County
- Santa Barbara County
- Santa Clara County

Terrestrial Gastropods of Los Angeles County

- Shasta County
- Sierra County
 - Cherokee Creek at Forest Road 35 (*E.J. Kools EJ-40* CAS 111402, 21-Aug-1997)
 - Independence Creek (*E.J. Kools EJ-47* CAS 111419, 22-Aug-1997)
 - Smithneck Creek (*E.J. Kools EJ-55* CAS 157471, 25-Aug-1997)
- Siskiyou County
- Tehama County
- Trinity County
- Tuolumne County
- Ventura County
- Yuba County

Terrestrial Gastropods of Los Angeles County

Santa Catalina Island Snails

Below is a simple list of all the terrestrial mollusks known to occur on Santa Catalina Island, with details for all native species found above. Those names preceded by an asterisk “*” are not native to Los Angeles County or California.

Haplotrema catalinense Hemphill in W.G. Binney 1890 (Haplotrematidae family)

**Helix aspersa* (Helicidae family)

**Lehmannia valentiana* (Agriolimacidae family)

**Limax flavus* (Limacidae family)

Micrarionta beatula Cockerell 1929 (Helminthoglytidae family)

Micrarionta rufocincta Newcomb 1864 (Helminthoglytidae family)

**Milax gagates* (Milacidae family)

**Oxychilus draparnaudi* (Daudebardiidae family)

Paralaoma caputspinulae Reeve 1852 (Punctidae family)

Pristiloma shepardae Hemphill 1892 (Pristilomatidae family)

Punctum minutissimum I. Lea 1841 (Punctidae family)

Radiocentrum avalonense Hemphill in Pilsbry 1905 (Oreohelicidae family)

Sterkia hemphilli Sterki 1890 (Vertiginidae family)

Xerarionta kelletii Forbes 1850 (Helminthoglytidae family)

Zonitoides arboreus Say 1816 (Gastrodontidae family)

San Clemente Island Snails

Below is a simple list of all the terrestrial mollusks known to occur on San Clemente Island, with details for all native species found above. Those names preceded by an asterisk “*” are not native to Los Angeles County or California.

Haplotrema guadalupense Pilsbry 1927 (Haplotrematidae family)

**Helix aspersa* (Helicidae family)

Micrarionta gabbii Newcomb 1864 (Helminthoglytidae family)

Xerarionta agnesae (Helminthoglytidae family)

Xerarionta intercisa W.G. Binney 1857 (Helminthoglytidae family)

Xerarionta redimita W.G. Binney 1858 (Helminthoglytidae family)