

RESEARCH ARTICLE

# Patterns of Freshwater Species Richness, Endemism, and Vulnerability in California

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**Data Availability Statement:** All data are available from The Nature Conservancy website: [scienceforconservation.org](http://scienceforconservation.org). The data used in the study are third-party data. The data sources and third-party contacts are provided in [S3 Table](#). We received permissions from all data providers to publicly use and release the data.

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## Abstract

The ranges and abundances of species that depend on freshwater habitats are declining worldwide. Efforts to counteract those trends are often hampered by a lack of information about species distribution and conservation status and are often strongly biased toward a few well-studied groups. We identified the 3,906 vascular plants, macroinvertebrates, and vertebrates native to California, USA, that depend on fresh water for at least one stage of their life history. We evaluated the conservation status for these taxa using existing government and non-governmental organization assessments (e.g., endangered species act, NatureServe), created a spatial database of locality observations or distribution information from ~400 data sources, and mapped patterns of richness, endemism, and vulnerability. Although nearly half of all taxa with conservation status (n = 1,939) are vulnerable to extinction, only 114 (6%) of those vulnerable taxa have a legal mandate for protection in the form of formal inclusion on a state or federal endangered species list. Endemic taxa are at greater risk than non-endemics, with 90% of the 927 endemic taxa vulnerable to extinction. Records with spatial data were available for a total of 2,276 species (61%). The patterns of species richness differ depending on the taxonomic group analyzed, but are similar across taxonomic level. No particular taxonomic group represents an umbrella for all species, but hotspots of high richness for listed species cover 40% of the hotspots for all other species and 58% of the hotspots for vulnerable freshwater species. By mapping freshwater species hotspots we show locations that represent the top priority for conservation action in the state. This study identifies opportunities to fill gaps in the evaluation of conservation status for freshwater taxa in California, to address the lack of occurrence information for nearly

data collection and analysis, decision to publish, or preparation of the manuscript.

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40% of freshwater taxa and nearly 40% of watersheds in the state, and to implement adequate protections for freshwater taxa where they are currently lacking.

## Introduction

Freshwater habitats cover less than 1% of the earth's surface (about the size of the European Union) but support roughly 125,000 described species, or 10% of the described species on the planet [1]. Species dependent on freshwater habitats are in decline globally [2, 3]; between 10,000 and 20,000 freshwater species are thought to be extinct or imperiled by human activities [1, 3], with freshwater species at higher risk of extinction than their terrestrial counterparts [4]. In North America, extinction rates for freshwater species are four to five times greater than those for terrestrial species [5–7], and increasing human population and climate change are predicted to exacerbate extinctions in the future [7–10]. Estimates of known extinctions however, are likely gross underestimates because most groups of freshwater organisms are understudied [11]. The insular and fragmented nature of freshwater habitats, which often results in high levels of endemism, makes freshwater populations highly vulnerable to extirpation [1].

Although great strides are being made in the methods to adapt conservation planning principals and conservation strategies to the particularities of freshwater systems [12–13], conservation action is hampered by a lack of basic information about the definition and location of these species. The first stage of systematic conservation planning is compiling information about the location of threatened and rare species in a region [14], but for freshwater species, this information tends to be lacking, dispersed, or focused on limited taxonomic groups even in data rich areas.

Because data is lacking, conservation groups often focus on focal species or taxonomic groups that have better distribution data. Recent studies have attempted to systematically address broad-scale patterns of freshwater species distribution, and spatial congruence among taxonomic groups [4, 15]. These studies show that congruence between taxonomic groups at global and continental scales are low, suggesting that focusing on a single species or taxonomic group may not benefit all freshwater species [4, 15].

California (USA) encompasses an exceptionally diverse array of freshwater ecosystem types, from rivers flowing through temperate rainforests to desert springs where ancient aquifers come to the surface [16]. In addition, demands on California's freshwater resources to meet human needs are intensifying as its population grows, and climate change further strains an already over-allocated water supply system [17–18]. Water allocations are currently five times the state's mean annual runoff and, in many of the state's major river basins, rights to divert water lay claim to up to 1,000% of natural surface water supplies [19].

Recent studies have highlighted dramatic declines of California native fishes with 80% either extinct or threatened with extinction within 100 years [10, 20]. Yet, the composition, distribution, and status of the broader suite of freshwater taxa in the state are not well understood. To address this need, we assembled the first comprehensive database of spatial observations for freshwater vascular plants, macroinvertebrates, and vertebrates in California. Here, we use this new and now publicly available database [21] to evaluate the patterns of freshwater species richness, endemism, and vulnerability, identify hotspots of freshwater richness, and to evaluate the spatial congruence of species richness across taxonomic groups.



**Fig 1. Study area.** The extent of the study area in California and the major hydrologic regions it contains. Inset shows the location of California in North America. Shaded relief is from “The National Map” by the U.S. Geological Survey.

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## Materials and Methods

### Study Area

The spatial unit of analysis for this assessment was the smallest-size watershed (12-digit hydrologic unit code, or HUC12, watershed) available in the nested national dataset compiled by the US Department of Agriculture Natural Resource Conservation Service [22]. Our study area included those watersheds ( $n = 4,450$ ) within the administrative boundary of the state of California, totaling  $410,515 \text{ km}^2$  (Fig 1). For reporting results, we nested the HUC12 watersheds within 10 major hydrologic management regions defined by California’s Department of Water Resources corresponding to the state’s major drainage basins [23] (Fig 1)(S1 Table).

### Taxa List

The taxonomic units of analysis for this assessment were drawn from an initial list of species and sub-species known to utilize freshwater habitats within California from NatureServe (<http://natureserve.org>) ( $n = 1,903$ )[24]. Because NatureServe collects and manages information for only a subset of species throughout the U.S., Canada, Latin America, and the Caribbean we assessed regional and specific taxonomic reviews and checklists to identify missing taxa (S2 Table). For example, we relied on the PISCES for all fish data because the software and database is comprehensive and quality-controlled [25–26].

Comprehensive taxonomic reviews are not available in California for non-vascular plants, such as benthic algae and mosses, planktonic microcrustacea, segmented worms, and water

mites; consequently, these groups are excluded from our effort. The authors, selected for their taxonomic expertise in the state, compiled and reviewed lists of freshwater dependent species and subspecies that occur within California (S1 Table). The experts removed redundancies due to changes in taxonomy or nomenclature, and assembled a definitive list of freshwater taxa (S3 Table). Our final database augmented the freshwater taxa included in the NatureServe list by 105% (n = 2,003), for a total of 3,906 taxa (S3 Table). Species, subspecies, Evolutionary Significant Units, and Distinct Population Segments are hereafter referred to as “taxa” for convenience.

Criteria for categorizing taxa as “freshwater dependent” varied by taxonomic group (S1 File). For example, freshwater fishes were defined as those that spawn in freshwater habitats. Herpetofauna, were included if: 1) they rely on fresh water to complete one or more life stage (e.g., all anurans and many caudates); or, 2) forage within fresh water as obligates (e.g., western pond turtle, *Actinemys marmorata marmorata*) or non-obligates (e.g., western terrestrial garter snake, *Thamnophis elegans elegans*) at some stage of development; or, 3) they would not persist without freshwater microhabitats (e.g., Inyo mountain salamander, *Batrachoseps campfi*); or, 4) they are found within splash zones of freshwater springs and creeks (e.g., Dunn’s salamander, *Plethodon dunni*). Plant species were included if: 1) they occur exclusively in fresh water and have special adaptations for living submerged in water, or at the water’s surface; or, 2) occur primarily in freshwater wetland habitats but are not strictly aquatic; or, 3) require freshwater inundation to complete their life-cycle, such as plants occurring in long-inundated portions of vernal pools (e.g., *Orcuttia californica*); or, 4) were identified in the Jepson Manual of Vascular Plants of California [27] as associated with wetland habitats such as marshes, lakes, vernal pools, fens, springs, and bogs, and dependent on wetland habitat; or, 5) were included as wetland obligates or as facultative wetland plants in the U.S. Army Corps of Engineers list of wetland plant species [28]. See S1 File for criteria used for birds, mammals, vascular plants and invertebrates. We limited our list to taxa native to California.

Taxa were classified as endemic if they are known to be restricted to California based on available data sources (S2 Table).

## Conservation Status

We evaluated the conservation status for all taxa on our final list (S3 Table) by reviewing the scientific literature, NatureServe, state and federal Endangered Species Act lists, management agency designations, and taxonomic group reviews (S1 Table). We attempted to be as complete as possible, and use available conservation status sources for the taxonomic groups considered in this study. Table 1 provides sources and criteria for classifying taxon as listed, vulnerable or apparently secure. Note that taxa were not classified as “apparently secure” if they fell under any criteria listed under “vulnerable” in Table 1.

## Spatial Data and Summaries

We collected spatial data related to the occurrence or distribution of the freshwater taxa included on our final list (S3 Table), and assembled a geographic database using Esri ArcGIS version 10.1 software. Due to taxonomic changes and differences among data sources, we were not always able to attribute spatial records at the subspecies level. As a result, all spatial data summaries and analyses are conducted at the species level. Data were collected from a variety of sources (S2 Table). The subsequent database includes available spatial data for each taxon categorized by observation type (Table 2), data format (i.e. point, line, and polygon), origin (i.e. native range vs. translocation), conservation status, and habitat usage (e.g. seasonal or migratory use).

**Table 1. Sources and criteria used to rank taxa.**

Source	Criteria for “listed ranking”	Criteria for “Vulnerable” ranking	Criteria for “Apparently Secure” ranking
ESA federal or state lists [29–30]	• Endangered OR	• Under Review in the Candidate or Petition Process OR	
	• Threatened	• Proposed Threatened OR	
		• Species of Special Concern OR	
		• Candidate OR	
		• Bird of Conservation Concern OR	
NatureServe [24]		• Special Concern OR	
		• Special	
		Ranked at either the global (G) or state (S) scales as: • Vulnerable (NatureServe ranking of 3) OR	Ranked at either the global (G) or state (S) scales as: • Apparently Secure (NatureServe ranking of 4) OR
Status assessment of California’s native inland fishes [20]		• Imperiled (NatureServe ranking of 2) OR Critically imperiled (NatureServe ranking of 1)	• Secure” (NatureServe ranking of 5
		• EN (endangered) OR	• NT (near-threatened) OR
Conservation Status of Freshwater Gastropods of Canada and the United States [31]		• VU (vulnerable)(following IUCN definitions)	• LC (least concern)
		• Endangered OR	Currently Stable (CS)
California Native Plant Society – Rare Plant Inventory [32]		• Threatened OR	
		• Vulnerable	
		• 1A (Plants Presumed Extirpated in California and Either Rare or Extinct Elsewhere) OR	
		• 1B (Plants Rare, Threatened, or Endangered in California and Elsewhere) OR	
		• 2A (Plants Presumed Extirpated in California, But Common Elsewhere) OR	
Amphibian and Reptile Species of Special Concern (ARSSC) [33]		• 2B (Plants Rare, Threatened, or Endangered in California, But More Common Elsewhere	
		Appears on list	
California Department of Fish and Wildlife (CDFW) Species of Special Concern [34]		Appears on list	
USFWS Species of Concern [35]		Appears on list	
USFWS Birds of Conservation Concern [36]		Appears on list	
US Forest Service National Threatened, Endangered and Sensitive Species (TES) Program [37]		Appears on list	
US Bureau of Land Management Special Status Species [38]		Appears on list	

A taxon was classified as listed, vulnerable or apparently secure if one of the criteria conditions were met. For example, if a taxon is classified as endangered on the federal ESA list, we designated the taxon as “listed” in our database. Alternatively, if a taxon was classified as EN (endangered) in Moyle et al. 2011, we classified the taxon as “vulnerable” in our database.

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While this effort represents the most comprehensive compilation of freshwater species occurrence in the state, we acknowledge that data quality may vary among sources. With the exception of PISCES, which has been expert reviewed for data quality, other data sources have

**Table 2. Classifications used to group spatial data records in the California Freshwater Species Database.**

Spatial Data Classification Groups
Current observations (post-1980)
Observation with undefined date
Historical observation (pre-1980)
Extirpated
Modeled habitat/ generalized observation
Expert Opinion
Management area designations*
Range
Historical range
Unknown

\* e.g., Critical Habitat designation by the U.S. Fish and Wildlife Service

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not undergone such review, and therefore may not accurately represent species ranges. For example, most invertebrate data come from bioassessment monitoring efforts which are known to under sample certain habitats such as non-perennial streams, large rivers, springs, high altitude streams, and wet meadows.

To examine and compare patterns of freshwater species richness, endemism, and vulnerability, we summed and mapped unique species by HUC12 watershed, and calculated the percentage of species that are endemic, vulnerable, and listed in each watershed. We also mapped richness by eight taxonomic groups (fish, herpetofauna, mollusks, birds, crustaceans, plants, mammals, insects and other invertebrates) by summing the number of species in each taxonomic group within the HUC12s. We identified hotspots as the top 5% richest watersheds [39].

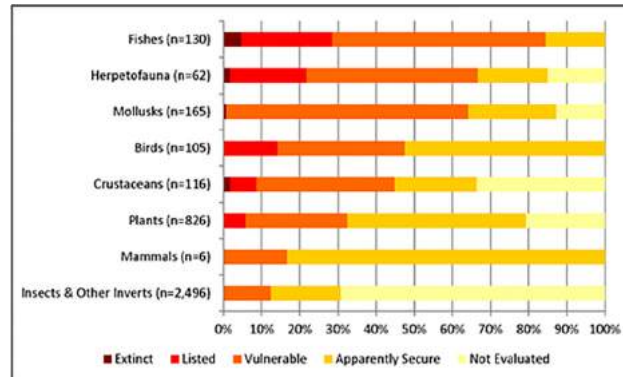
We recognize that spatial data for freshwater species is often lacking, so we tested how each taxonomic group serves as a proxy for the full suite of freshwater species. First we calculated the pairwise Pearson's correlation coefficient of species richness counts in HUC12 watersheds by taxonomic group to evaluate the relationship between taxonomic groups. Next, we calculated the Pearson's correlation coefficient for each taxonomic group compared to all other freshwater species not in that taxonomic group. For example, we calculated the correlation coefficient for fish richness compared to all other freshwater species (excluding fish) by HUC12 watershed. In addition, we calculated the correlation of all listed species in each HUC12 compared to all other non-listed species.

We also tested whether geographical patterns of richness in one group act as a surrogate for those in other groups by comparing the overlap of hotspots for one group with corresponding hotspots for other groups [39]. Finally, we compared the hotspots for each group with vulnerable freshwater species to test how well each group acts as a surrogate for vulnerable freshwater biodiversity in most need of conservation action.

## Results

### Richness, Endemism, and Vulnerability

We identified 3,906 freshwater taxa in California (S3 Table) which included 336 subspecies, evolutionary significant units, or distinct population segments. Insects, arachnids,



**Fig 2. Taxonomic grouping and conservation status of freshwater taxa native to California.** Percentage of freshwater species by taxonomic groups that are considered vulnerable (at risk of extinction) in California watersheds. "Insects and other invertebrates" includes the classes Arachnida, Branchiopoda, Insecta and Polychaeta.

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branchiopods, and polychaetes (referred to henceforth as "insects and other invertebrates") comprise over two-thirds (63%) of the freshwater taxa in the study, with 2,496 taxa (Fig 2). The next largest group is vascular plants (n = 826), followed by mollusks (n = 165), fish (n = 130), crustaceans (n = 116) birds (n = 105), herpetofauna (n = 62), and mammals (n = 6) (Table 3). Eleven freshwater taxa that were once found in the study area are now considered extinct, including one plant (*Potentilla multijuga*), two crustaceans (*Pacifastacus nigrescens* and *Syn-caris pasadenae*), one mollusk (*Planorbella traski*), one frog (*Rana lithobates*] *yavapaiensis*), and six fishes (*Cyprinodon nevadensis calidae*, *Siphatales bicolor ssp. 11*, *Gila crassicauda*, *Pogonichthys ciscoides*, *Ptychocheilus lucius*, and *Salvelinus confluentus*). An additional 14 species considered possibly extinct include eight insects (*Farula davisii*, *Hygrotus artus*, *Mesocapnia bakeri*, *Paraleptophlebia californica*, *Paraleptophlebia clara*, *Paraleptophlebia rufivenosa*, *Parapsyche extensa*, *Rhyacophila amabilis*), two amphibians (*Rana pretiosa*, and *Incilius alvarius*), one mollusk (*Valvata virens*), two plants (*Plagiobothrys glaber* and *Potentilla uliginosa*), and one turtle (*Kinosternon sonoriense*).

To date, conservation status has been assessed for only 50% (N = 1,939) of the state's freshwater taxa (Table 3). Moreover, the conservation status of some taxonomic groups is

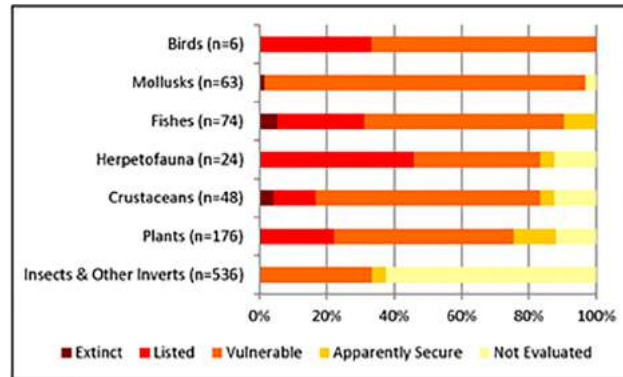
**Table 3. Number of taxa included in each taxonomic group along with the number and percentage of species by conservation status.**

Group	All	Extinct	Listed	Vulnerable (but not listed)	Apparently Secure	Not Evaluated
Insects and Other Inverts*	2,496	0	0	309 (12%)	460 (18%)	1,727 (70%)
Plants <sup>1</sup>	826	1 (0%)	47 (5%)	220 (27%)	387 (47%)	171 (21%)
Mollusks	165	1 (0.5%)	0	105 (63.5%)	38 (23%)	21 (13%)
Fishes	130	6 (5%)	31 (24%)	73 (56%)	20 (15%)	0
Crustaceans	116	2 (2%)	8 (7%)	42 (36%)	25 (21%)	39 (34%)
Birds	105	0	15 (14%)	35 (34%)	55 (52%)	0
Herpetofauna	62	1 (2%)	12 (19%)	29 (46%)	11 (18%)	9 (15%)
Mammals	6	0	0	1 (17%)	5 (83%)	0
Total	3,906	11 (0.3%)	113 (3%)	814 (21%)	1,001 (26%)	1,967 (50%)

\* Includes Arachnida, Branchiopoda, Insecta and Polychaeta.

<sup>1</sup>All California plants are evaluated for rarity. Due to the lack of a 'secure' category in the CNPS ranking system, common taxa may not appear to have been evaluated.

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**Fig 3. Taxonomic grouping and conservation rank of freshwater taxa endemic to study area.** Percentage of freshwater endemic species by taxonomic groups that are considered vulnerable (at risk of extinction) in California watersheds. "Insects and other invertebrates" includes the classes Arachnida, Branchiopoda, Insecta and Polychaeta.

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disproportionally understudied. For example, the conservation status of all fish and bird taxa have been evaluated, but only 31% (n = 769) of insects and other invertebrates (Table 3). Of the freshwater taxa evaluated, 51.5% are considered secure (n = 1,001), 48% are ranked as vulnerable (n = 927), and 0.5% (n = 11) are now considered extinct. Although nearly half of the freshwater taxa were classified as vulnerable, only 113 (6%) are listed as endangered or threatened under the federal or state ESA.

Some taxonomic groups contain considerably more vulnerable taxa than others (Fig 2). For example, 104 of the 130 (80%) fishes, 66% of herpetofauna (n = 41) and 64% (n = 105) of mollusks are considered vulnerable. On the other hand, 83% of the mammals, 52% of the birds, and 47% of the plants are considered secure. However, as noted above, the comprehensiveness of data varies by taxonomic group such that the true level of imperilment could be much greater for taxonomic groups such as insects, other invertebrates and crustaceans where the majority of known taxa have not been evaluated for conservation state (Fig 2 and Table 3).

Nearly a quarter of the 3,906 native freshwater taxa found in California are endemic (n = 927), including 536 insects and other non-molluscan invertebrates, 176 plants, 74 fishes, 63 mollusks, 48 crustaceans, 24 herpetofauna, and 6 birds (Fig 3). Of the 560 endemic taxa that were evaluated for conservation status, nearly 90% (n = 498) are considered vulnerable (Fig 3). All 6 endemic birds are considered vulnerable, as are 98% of the endemic mollusk taxa. In addition, 85% of endemic fishes are considered vulnerable (Fig 3). Eight endemic taxa are considered extinct including four fishes (*Cyprinodon nevadensis calidae*, *Siphatales bicolor ssp. 11*, *Gila crassicauda*, and *Pogonichthys ciscoides*), two crustaceans (*Pacifastacus nigrescens* and *Syn-caris pasadenae*), one plant (*Potentilla multijuga*) and one mollusk (*Planorbella traski*). Only 76 (14%) of vulnerable endemic taxa are formally listed on state or federal endangered species lists.

### Spatial Data and Summaries

To map spatial patterns of freshwater diversity in the state, we compiled spatial data from 408 different sources (S2 Table) and assembled a database with over 9,000 polygon, 23,000 line, and 3,484,000 point records. As noted in the above Methods, we compiled spatial data only at the species level. Therefore, although our final species list contains information on 3,906 taxa, we compiled spatial data for the 3,727 species in the database. It should be noted that although



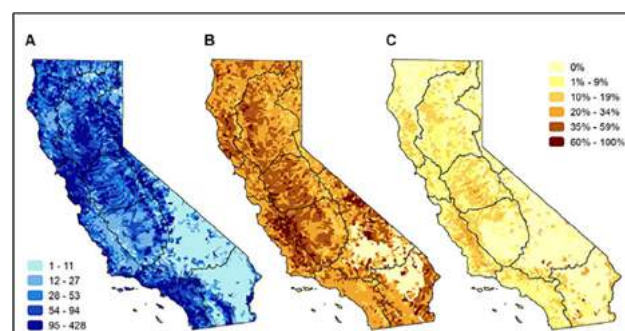
there are 336 subspecies, ESUs, or DPSs in the database, 179 species are comprised of at least two subspecies.

We obtained spatial data (see [Table 2](#) for data types) for 2,276 (61%) of the 3,727 total freshwater species, including 588 (68%) of the 862 endemic species, 752 (90%) of the 838 vulnerable species, and all 94 species listed under state or federal Endangered Species Acts [[29–30](#)]. We were unable to find any spatially explicit data for 1,451 (39%) of the species.

Hydrologic regions with the greatest species richness include portions of the San Francisco Bay (average species richness by HUC12 = 111 species), South Coast (average species richness by HUC12 = 91) and Sacramento River (average species richness by HUC12 = 74) ([Fig 4A](#)). The average richness of vulnerable taxa per HUC12 by hydrologic regions was greatest in the San Francisco Bay (n = 31), South Coast and San Joaquin (n = 22), Sacramento (n = 21), and North Coast (n = 19). However, the regions with the highest percentage of vulnerable species per HUC12 are the South Lahontan, Tulare Lake, South Coast, Colorado, and Central Coast regions ([Fig 4B](#)). Listed species are found across the study area with at least one being as either currently or historically found in watersheds that cover 76% of the state ([Fig 4C](#)). However, in contrast to vulnerable species ([Fig 4B](#)), the proportion of listed species per HUC12 watershed is relatively low ([Fig 4C](#)).

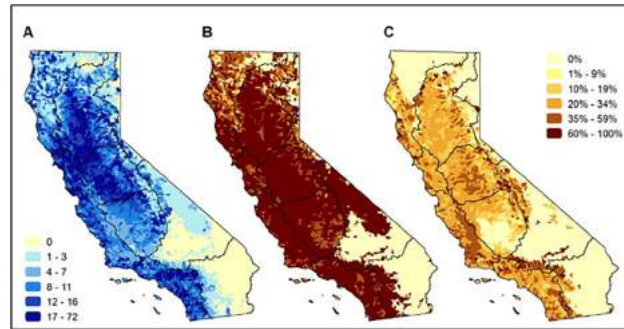
The average richness of endemic taxa per HUC12 by hydrologic regions was greatest in the San Francisco Bay (n = 19), San Joaquin (n = 15), South Coast (n = 14), Sacramento (n = 12), and the Central Coast (n = 11) ([Fig 5A](#)). Regions with hydrological connections outside of California—North Coast, North and South Lahontan, and Colorado River—have a lower percentage of California endemic species (n = 7, 5, 3, 4 on average, respectively). More than half of the study area (61%) is comprised of HUC12 watersheds in which over 60% of the endemic species found in those watersheds are considered vulnerable ([Fig 5B](#)). As with all native freshwater species, the proportion of endemic species that are listed under state or federal ESA lists is considerably less than the proportion of those considered vulnerable in most HUC12 watersheds ([Fig 5C](#)).

Spatial patterns of richness vary by taxonomic group and appear to correspond with distribution of freshwater habitat ([Fig 6](#)). For example, fish richness is highest in major rivers in the state including the Sacramento and Klamath river watersheds located in the Sacramento and North Coast hydrologic regions ([Fig 6A](#)) ([S1 Table](#)). Herpetofauna richness is highest in



**Fig 4. Patterns of richness and vulnerability of freshwater species native to California watersheds.** Maps of (A) the number of native freshwater species in each HUC12 watershed (includes current, historic, range and modeled data). The range of species richness is shown in quintiles, therefore the darkest blue is the top 20% of species richness, the lightest blue the lowest 20%; (B) percentage of species in each HUC12 watershed that are ranked as vulnerable; and (C) percentage of species in each HUC12 watershed that are listed as endangered or threatened under state or federal ESA lists. Maps in panels B and C share the legend on the right of the figure. The black lines on the maps represent the major hydrologic regions in the study area.

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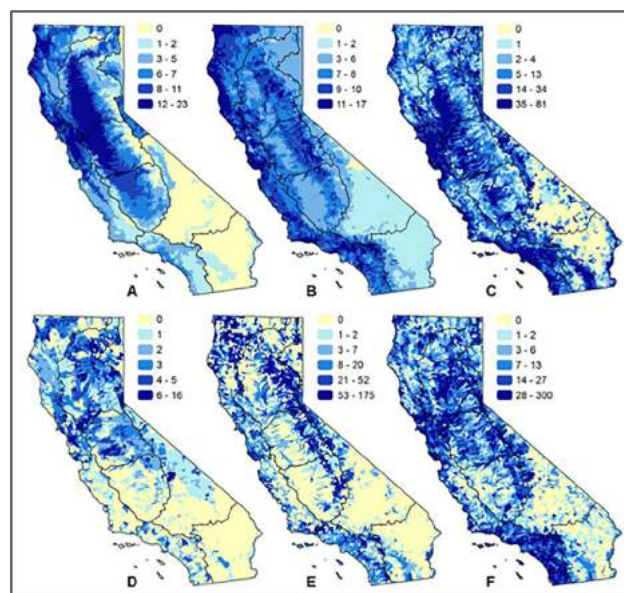


**Fig 5. Patterns of richness and vulnerability of freshwater species endemic to California, watersheds.** Maps of (A) the number of endemic freshwater species in each HUC12 watershed (includes current, historic, range and modeled data). The range of endemic species richness is shown in quintiles, therefore the darkest blue is the top 20% of species richness, the lightest blue the lowest 20%.; (B) percentage of endemic species considered vulnerable in each HUC12 watershed; and (C) percentage of endemic species in each HUC12 watershed that are listed as endangered or threatened under state or federal ESA lists. Maps in panels B and C share the legend on the right of the figure. The black lines on the maps represent the major hydrologic regions in the study area.

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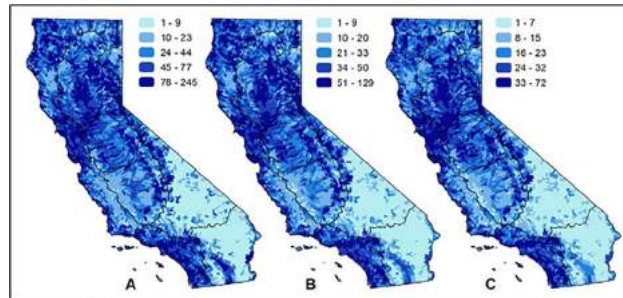
mountain foothill and coastal areas (Fig 6B), with bird richness being highest in wetland, coastal, and compatible agriculture (e.g., flooded rice) regions of the state (Fig 6C). Richness of mollusks/crustaceans, insects and other invertebrates is concentrated in headwater, spring systems and more isolated pockets of habitat (Fig 6D and 6E). Plant richness appears distributed throughout the state with pockets of high richness even in desert regions which are underrepresented by other taxonomic groups (Fig 6F).

Geographies noted for high species richness are consistent regardless of observation type (Table 2). The San Francisco Bay, Sacramento River, and portions of the South Coast hydrologic regions are consistently identified as biodiversity hotspots whether observational, range, or modeled data are considered (Fig 7). Patterns of diversity for historical observations and



**Fig 6. Patterns of freshwater species richness by taxonomic group.** Maps show richness of: (A) fishes; (B) herpetofauna; (C) birds; (D) mollusks/crustaceans; (E) insects and other invertebrates; (F) plants.

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**Fig 7. Patterns of richness by data type of California freshwater species.** Maps show the number of native freshwater species when summarized by: (A) observational data recorded after 1980; (B) observational data recorded before 1980 or observations of extirpated populations; and (C) data that includes range maps, historical range maps, modeled habitat, professional judgment, critical habitat designations, and management area designations. Spatial data with an unknown observation date or unknown type are not included in any panel. The black lines on the maps represent the major hydrologic regions in the study area.

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extirpated populations appear similar to current observations (Fig 7A and 7B). Modeled and generalized data such as range maps completely cover the study area and provide perhaps the clearest pattern of diversity of freshwater taxa (Fig 7C); however, these patterns are only predictions of taxa presence. Nearly 40% of the study area does not contain a recent (post-1980) observation for any of the freshwater taxa considered in this study (Fig 7A).

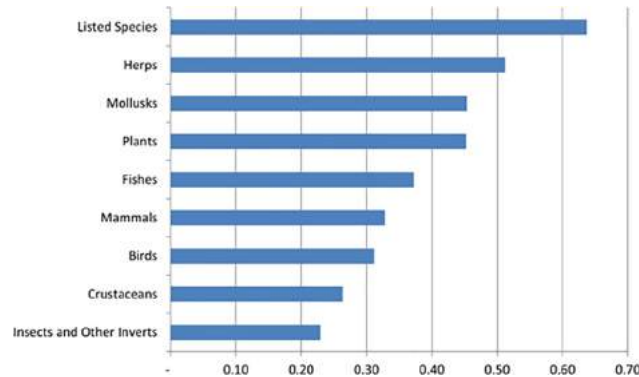
The correlation coefficients of species richness at the HUC12 watershed scale between the various taxonomic groups are relatively low (Table 4), with the highest being between mollusks and mammals (0.52); fishes and mammals (0.52); and fishes and herps (0.51). The lowest correlations coefficients are between insects and other inverts and birds (0.03); crustaceans (0.06) and fishes (0.07).

We tested how the richness of various groups of species (taxonomic groups and listed species) serve as a proxy for the richness of all other freshwater species using correlation and hotspot overlap analysis. Listed species were the most correlated at the HUC12 watershed scale with the richness of all other freshwater species (0.63), followed by herpetofauna (0.51) and mollusks and plants (0.45) (Fig 8). Insects and other invertebrates had the lowest correlation to all other species (0.23). With the hotspot overlap analysis, we found again that listed species serve as the best proxy for all other species, with a 40% overlap in hotspots, followed by plants (29%), mollusks (27%) and crustaceans (25%) (Fig 9). We also compared hotspots for each group with hotspots of vulnerable freshwater species, since these are in the highest need of conservation action. Hotspots for listed species overlapped with 58% of the hotspots for vulnerable

**Table 4. Correlation matrix of the richness within each HUC12 watershed summarized by taxonomic groups.**

	<u>Fishes</u>	<u>Crustaceans</u>	<u>Herps</u>	<u>Insects &amp; Other Inverts</u>	<u>Mollusks</u>	<u>Plants</u>	<u>Birds</u>	<u>Mammals</u>
<u>Fishes</u>	1.00	0.33	0.51	0.07	0.35	0.22	0.42	0.52
<u>Crustaceans</u>		1.00	0.09	0.06	0.14	0.20	0.26	0.11
<u>Herps</u>			1.00	0.32	0.32	0.34	0.32	0.32
<u>Insects &amp; Other Inverts</u>				1.00	0.44	0.26	0.03	0.28
<u>Mollusks</u>					1.00	0.23	0.17	0.52
<u>Plants</u>						1.00	0.38	0.15
<u>Birds</u>							1.00	0.09
<u>Mammals</u>								1.00

doi:10.1371/journal.pone.0130710.t004



**Fig 8. Relationship among taxonomic groups.** Correlation of the richness within each HUC12 watershed for taxonomic groups of species when compared to all other freshwater species (excluding that group).

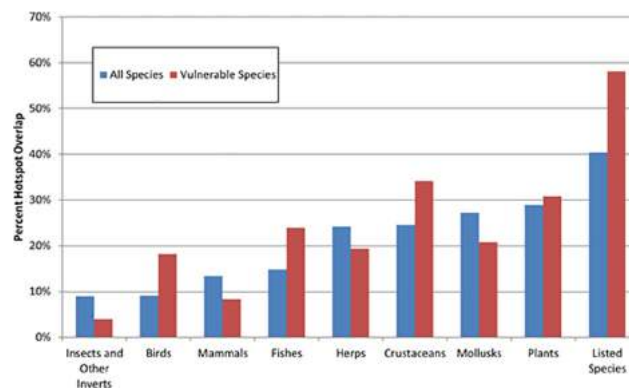
doi:10.1371/journal.pone.0130710.g008

freshwater species (excluding listed species). Mapping the hotspots shows that hotspots for listed species overlap with hotspots for all other species in the Sacramento River, San Francisco Bay, and South Coast hydrologic regions (Fig 10). However, hotspots congruence is lower in the North Coast and San Joaquin hydrologic regions.

### Discussion

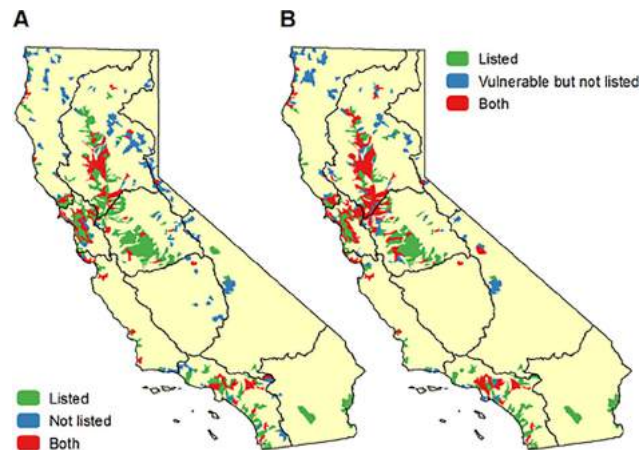
We compiled the most comprehensive database of freshwater species richness and distribution for the state of California to date. Using that database, we provide the first multi-taxa analysis of richness, endemism, and vulnerability for the majority of freshwater diversity in the state. Our study finds that the plight of freshwater species in California mirrors global trends [1–3]. We found that nearly half of freshwater taxa native to California are considered vulnerable to extinction, however only 6% of those taxa are currently listed under state or federal ESA. Even more disconcerting is that 90% of the freshwater taxa endemic to California—and so wholly reliant on conservation actions within the state—are vulnerable to extinction. However, only 14% of these endemic taxa are listed under state or federal ESAs (Fig 3). Therefore, legal listing does not appear to accurately reflect the state of vulnerability of freshwater taxa in the state.

We found that freshwater fishes, amphibians, reptiles, and mollusks are the most vulnerable taxonomic groups, a finding that is consistent with other studies [5, 10, 40–42]. However, this



**Fig 9. Overlap of hotspots.** The relative performance of hotspots (top 5% of watersheds by richness) for taxonomic groups of species in matching hotspots for all (blue bars) and vulnerable (red bars) freshwater species. To avoid double counting, hotspots for all and vulnerable species were identified excluding the species in each subgroup for each comparison.

doi:10.1371/journal.pone.0130710.g009



**Fig 10. Location of hotspots.** Comparison of the location of hotspot watersheds (top 5% by richness) for A) listed species with all non-listed species, and B) vulnerable but non-listed species.

doi:10.1371/journal.pone.0130710.g010

finding could be biased by the general lack of information about vulnerability of other taxonomic groups (Fig 3). These results provide evidence that some taxonomic groups are much better evaluated for conservation status than others (Table 3). For example, all fish and bird taxa have been evaluated as have most of the reptiles, amphibians, plants, and mollusks. In contrast, only 31% of the insects and other invertebrates have been evaluated for conservation status. Furthermore, we still lack spatially-explicit information for 1,448 freshwater species, including many known or suspected to be vulnerable to extinction. Evaluating the conservation status and locations of understudied freshwater species is priority for future research. Given that data acquisition is costly and time intensive, a recent study has shown that concentrating survey efforts on species with the highest uncertainty, such as rare species, provides an effective way to enhance the accuracy of conservation planning [43].

While there are some significant data gaps in our knowledge about the locations of many freshwater species, we were able to compile spatial data for 90% of the vulnerable species in the state, and all of the listed species. With this rich dataset, we were able to test how well a conservation focus on a particular subset of species would benefit other freshwater species. We found that a conservation focus on hotspots for a single taxonomic group such as fishes would provide poor overlap with hotspots for all other freshwater species. Our results are similar to a recent study on global patterns of freshwater species distribution [4]. Interestingly, we found that listed species do provide a reasonable proxy for other freshwater species, since hotspots for listed species cover 40% of the hotspots for non-listed species and 58% of the hotspots for non-listed vulnerable species (Figs 9 and 10). In our study area, focusing conservation action on the hotspots for listed species will likely benefit other freshwater species that need conservation action but have not yet been listed. If these patterns hold for other locations, this finding has implications for conservation strategies outside of our study area because there is generally more spatially explicit information about the distribution of listed species.

The publicly-available dataset [21] we have produced provides a means to place a wide range of freshwater management actions, including water rights administration and water use permitting within the larger context of freshwater-dependent species conservation. Furthermore, the dataset supports conservation planning initiatives by federal and state agencies and non-governmental organizations at the landscape scale, including efforts to delineate priority watershed networks which, if protected or restored, can most efficiently encompass freshwater biodiversity in the state for multiple species groups.

## Conclusions

Human population growth, increasing demands for freshwater resources, and climate change are projected to exacerbate strains on freshwater resources and lead to further imperilment and extinction of freshwater taxa [1, 8–10, 44–45]. Fundamental to addressing this conservation challenge is information to elucidate what taxa are at risk and where best to focus efforts to improve conservation of freshwater species diversity. This study provides a foundation for freshwater conservation planning in California and highlights key hotspots of freshwater species which serve as priorities for conservation action. Yet, major gaps remain in our understanding of freshwater species distribution and status, as well as in the conservation protections afforded that diversity. Filling these knowledge gaps—e.g., with targeted surveys for understudied taxa, especially the listed, vulnerable, and endemic forms—is essential to inform current and future water management decisions. Addressing the gaps and inadequacies in conservation protections will be critical if we are to reverse the alarming declines of freshwater diversity seen in California as around the world.

## Supporting Information

**S1 File. Criteria used to define freshwater species by taxonomic group.**

(DOCX)

**S1 Table. Summary of stream characteristics for regions.** Values from National Hydrography Dataset Plus, version 1 (EPA and USGS).

(DOCX)

**S2 Table. List of sources for freshwater taxa included in our freshwater species list.**

(DOCX)

**S3 Table. List of sources that supplied spatial data for freshwater species occurrence.**

(DOCX)

**S4 Table. List of freshwater taxa included in study.**

(DOCX)

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## Author Contributions

Conceived and designed the experiments: JKH KRK KAF JF T. Gardali T. Grantham JVEK SK PM PBM PRO RP RMQ ACR NS SS LS JDS JS JHV AW SAM. Performed the experiments: JKH KRK KAF JF T. Gardali T. Grantham JVEK SK PM PBM PRO RP RMQ ACR NS SS LS JDS JS JHV AW SAM. Analyzed the data: JKH KRK KAF JF T. Gardali T. Grantham JVEK SK PM PBM PRO RP RMQ ACR NS SS LS JDS JS JHV AW SAM. Contributed reagents/materials/analysis tools: JKH KRK KAF JF T. Gardali T. Grantham JVEK SK PM PBM PRO RP RMQ ACR NS SS LS JDS JS JHV AW SAM. Wrote the paper: JKH KRK KAF JF T. Gardali T. Grantham JVEK SK PM PBM PRO RP RMQ ACR NS SS LS JDS JS JHV AW SAM.

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## S1 File. Criteria used to define freshwater species

### 1. FISH

- Freshwater fishes are defined as those that spawn in freshwater. Catadromous species wouldn't qualify, however, we do not have any catadromous species in California. This also precludes several estuarine species commonly found in brackish water such as starry flounder, striped mullet and staghorn sculpin.

### 2. PLANTS

- Plant species that occur exclusively in freshwater and have special adaptations for living submerged in water, or at the water's surface. Includes free-floating aquatic plants and emergent wetland plants rooted beneath the water surface (e.g., *Nuphar polysepala*).
- Plant species that occur primarily in freshwater wetland habitats but are not strictly aquatic (e.g. *Typha angustifolia*).
- Plant species requiring freshwater inundation to complete their life-cycle, such as plants occurring in long-inundated portions of vernal pools (e.g., *Orcuttia californica*).
- Plant species associated with freshwater and aquatic habitats over much of their range or life-cycle as identified by expert botanists.
- Plant species identified in the Jepson Manual of Vascular Plants of California as associated with wetland habitats such as marshes, lakes, vernal pools, fens, springs, and bogs, and dependent on wetland habitat.
- Plant species identified as Wetland Obligates in the U.S. Army Corps of Engineers list of wetland plant species.
- Plant species identified as Facultative Wetland plants in the U.S. Army Corps of Engineers list of wetland plant species, and identified by expert botanists as dependent on freshwater wetland or aquatic habitats.

### 3. HERPETOFAUNA

- Species that exclusively rely on freshwater or freshwater-dependent vegetation communities in California in order to complete one or more stages of a reproductive cycle.
- Species that forage within freshwater, either as obligates (e.g., *Actinemys marmorata* and *Thamnophis gigas*), non-obligates (e.g., *T. elegans* and *T. ordinoides*), or as obligates and non-obligates depending on point of ontogeny (i.e., larval and adult amphibian of a single species).
- Relict species occurring within mesic microhabitats within xeric landscapes that would not persist in such regions without freshwater springs, such as *Batrachoseps campi* (a plethodontid salamander that exhibits direct development and does not have a larval stage).
- Species that do not require freshwater for foraging or any part of their reproductive cycle, but are typically found in California occurring within the splash zone of freshwater springs and creeks, such as *Plethodon dunnii* (a plethodontid salamander with direct development).

### 4. BIRDS

#### A) Criteria for Inclusion

- Species that exclusively rely on freshwater or freshwater-dependent vegetation communities in California, including taxa strongly associated with riparian vegetation.
- Species that breed widely across western North America in freshwater habitats and migrate to California where a substantial portion, but not all, of their wintering habitat consists of freshwater habitats
- Species that use coastal waters during winter and migration but rely completely on freshwater for breeding in California (e.g, Harlequin Duck, American White Pelican, Western Grebe)
- Species that require freshwater inputs in to saline systems where reductions in freshwater inputs could result in complete habitat loss or substantial changes vegetation and habitat suitability (e.g., species that are only found at the Salton Sea , Saltmarsh Common Yellowthroat).
- Species that winter or breed in both freshwater and saline wetlands, but have large portions of their California population dependent on inland freshwater habitats, including flooded agriculture.

#### B) Criteria for Exclusion

- Species not dependent on the regular presence of freshwater or freshwater-dependent habitats.
- Species that no longer occur in or are not native to the region.
- Species were omitted if they are rare and do not contribute in a meaningful way to the avifauna of the region. – i.e., primarily lost “vagrants,” even if they occur every year (e.g., Swamp Sparrow, American Redstart).

#### 5. INVERTEBRATES

- Benthic macroinvertebrates (BMIs) are those included on the Southwest Association of Freshwater Invertebrate Taxonomists (SAFIT) Standard Taxonomic Effort (STE) list collected as part of freshwater bioassessment in the southwestern United States. The list contains BMI species known to occur in streams, lakes, or wetlands, including vernal pools, but special emphasis was placed on stream taxa since freshwater bioassessment is most frequently conducted in that habitat type. The list was compiled from published literature sources and from records in the State Water Board’s bioassessment database, the latter being derived from surveys of thousands of stream sites throughout California.
- All species in the SAFIT list are benthic in one or more life stages and utilize freshwater habitats in one or more of the following critical life functions: feeding, mating, egg deposition/development, and larval development to maturity.
- The species list is more comprehensive for some taxonomic groups than others, reflecting the knowledge base and interests of the authors and other taxonomists at California’s Aquatic Bioassessment Lab, availability and regional synoptic coverage of primary taxonomic literature, and likelihood of obtaining properly preserved specimens in typical benthic samples. For example, the list is comprehensive for most aquatic insect groups such as mayflies, stoneflies, dragonflies, caddisflies, beetles, the dipteran suborder Nematocera, etc. The dipteran suborder Brachycera is a notable exception, with most taxa being listed at genus level. The species lists also include surface-dwelling groups like Gerridae (water striders, order Hemiptera) and Gyrinidae (whirligig beetles, order Coleoptera), but exclude taxa associated with riparian zones,

shore-dwelling species, and plant tissue inhabitants in taxonomic groups such as Collembola, Staphylinidae, Heteroceridae, Chrysomelidae, Curculionidae, Saldidae, Isopoda and Amphipoda.

- The list is comprehensive for benthic crustaceans except Ostracoda. The list does not include planktonic microcrustacea (Copepoda and Cladocera). No attempt has been made to provide comprehensive species lists for freshwater Annelida (segmented worms) as preservation is typically poor in benthic samples, but generic lists are provided for leeches and polychaetes. Similarly, generic listings are included for Acari (water mites). An extensive taxonomic literature is available for these groups and could support compilation of species lists by appropriate experts in future versions. The list also excludes freshwater parasites such as Branchiura and mermithid Nematoda, the Branchiobdella, which are commensals on crayfish, and the Nematomorpha which are parasitic on terrestrial insects but are found in freshwater for part of their life cycle.
- Phylum Mollusca is variably treated: species lists are generally comprehensive for taxa that occur in larger streams and rivers, despite improper preservation that prevents species-level identifications in typical benthic samples that are collected for bioassessment purposes. Pebblesnails (Families Hydrobiidae and Lithoglyphidae) are a diverse group in springs of the southwestern US, but a species list has not been included.

**S1 Table.** Summary of stream characteristics for regions. Values from National Hydrography Dataset Plus, version 1 (EPA and USGS).

Region	Area (km <sup>2</sup> )	Streams (km)	Ratio of perennial to intermittent stream km	Canals & pipelines (km)	Ave. stream slope (%)	Ave. mean annual flow (m <sup>3</sup> /sec.)	Ave. annual temp. (°C)	Ave. annual total ppt (cm)	Hydrological connections outside CA	Major features
Central Coast	29,313	27,830	0.15	228	0.07	0.13	14.0	52	-	Salinas River
Colorado River	51,431	31,668	0.04	3,859	0.04	18.20	18.8	21	Colorado basin (WY, CO, UT, AZ, NM, NV)	Colorado River, Salton Sea
North Coast	50,662	34,915	2.14	796	0.18	8.42	11.5	145	Klamath basin (OR)	Klamath, Trinity, Mad, Russian rivers
North Lahontan	15,863	8,917	0.75	391	0.07	0.85	6.4	74	Drains to closed basins in NV	Lake Tahoe, terminal basins
Sacramento River	70,684	49,773	0.72	11,306	0.06	6.23	12.2	98	-	Sacramento and Pit rivers, springs
San Francisco Bay	11,718	7,984	0.58	1,531	0.04	1.61	14.7	66	-	San Francisco Bay, vernal pools
San Joaquin River	39,686	29,145	0.57	9,559	0.06	4.03	12.5	77	-	San Joaquin River
South Coast	28,295	22,400	0.10	1,694	0.07	0.08	14.9	51	-	Santa Clara River
South Lahontan	69,063	43,867	0.07	1,179	0.06	0.41	14.1	27	Drains to closed basins in NV	Owens River, isolated springs
Tulare Lake	43,592	25,412	0.30	9,591	0.09	1.41	12.2	50	-	Kern River



**S4 Table.** List of taxa included in the database.

<b>Scientific Name</b>	<b>Common Name</b>	<b>Group</b>
<i>Abedus breviceps</i>		Insects & other
<i>Abedus herberti</i>		Insects & other
<i>Abedus indentatus</i>		Insects & other
<i>Abedus ovatus</i>		Insects & other
<i>Abedus parkeri</i>		Insects & other
<i>Abedus vicinus</i>		Insects & other
<i>Ablabesmyia annulata</i>		Insects & other
<i>Ablabesmyia aspera</i>		Insects & other
<i>Ablabesmyia cinctipes</i>		Insects & other
<i>Ablabesmyia mallochi</i>		Insects & other
<i>Ablabesmyia monilis</i>		Insects & other
<i>Ablabesmyia peleensis</i>		Insects & other
<i>Acalyptonotus pacificus</i>		Insects & other
<i>Acanthomysis aspera</i>		Crustaceans
<i>Acanthomysis hwanhaiensis</i>		Crustaceans
<i>Acentrella insignificans</i>	A Mayfly	Insects & other
<i>Acentrella turbida</i>	A Mayfly	Insects & other
<i>Acerpenna pygmaea</i>		Insects & other
<i>Acilius abbreviatus</i>		Insects & other
<i>Acipenser medirostris</i> ssp. 1	Southern green sturgeon	Fishes
<i>Acipenser medirostris</i> ssp. 2	Northern green sturgeon	Fishes
<i>Acipenser transmontanus</i>	White sturgeon	Fishes
<i>Acneus beeri</i>		Insects & other
<i>Acneus burnelli</i>		Insects & other
<i>Acneus oregonensis</i>		Insects & other
<i>Acneus quadrimaculatus</i>		Insects & other
<i>Actinemys marmorata marmorata</i>	Western Pond Turtle	Herps
<i>Actinemys marmorata pallida</i>	Southern Pacific Pond Turtle	Herps
<i>Actitis macularius</i>	Spotted Sandpiper	Birds
<i>Aechmophorus clarkii</i>	Clark's Grebe	Birds
<i>Aechmophorus occidentalis</i>	Western Grebe	Birds
<i>Aedes aegypti</i>		Insects & other
<i>Aedes cinereus</i>		Insects & other
<i>Aedes vexans</i>		Insects & other
<i>Aeshna canadensis</i>	Canada Darner	Insects & other
<i>Aeshna interrupta interna</i>		Insects & other
<i>Aeshna juncea</i>		Insects & other
<i>Aeshna palmata</i>	Paddle-tailed Darner	Insects & other

<i>Aeshna persephone</i>		Insects & other
<i>Aeshna subarctica</i>		Insects & other
<i>Aeshna umbrosa occidentalis</i>	Shadow Darner	Insects & other
<i>Aeshna walkeri</i>	Walker's Darner	Insects & other
<i>Agabinus glabrellus</i>		Insects & other
<i>Agabinus sculpturellus</i>		Insects & other
<i>Agabus ancillus</i>		Insects & other
<i>Agabus anthracinus</i>		Insects & other
<i>Agabus apache</i>		Insects & other
<i>Agabus approximatus</i>		Insects & other
<i>Agabus austinii</i>		Insects & other
<i>Agabus austrodiscors</i>		Insects & other
<i>Agabus bjorkmanae</i>		Insects & other
<i>Agabus brevicollis</i>		Insects & other
<i>Agabus confertus</i>		Insects & other
<i>Agabus cordatus</i>		Insects & other
<i>Agabus discors</i>		Insects & other
<i>Agabus disintegratus</i>		Insects & other
<i>Agabus erichsoni</i>		Insects & other
<i>Agabus euryomus</i>		Insects & other
<i>Agabus griseipennis</i>		Insects & other
<i>Agabus hoppingi</i>		Insects & other
<i>Agabus hypomelas</i>		Insects & other
<i>Agabus ilybiiiformis</i>		Insects & other
<i>Agabus jimzim</i>		Insects & other
<i>Agabus klamathensis</i>		Insects & other
<i>Agabus kootenai</i>		Insects & other
<i>Agabus lineelus</i>		Insects & other
<i>Agabus lugens</i>		Insects & other
<i>Agabus lutosus</i>		Insects & other
<i>Agabus minnesotensis</i>		Insects & other
<i>Agabus morosus</i>		Insects & other
<i>Agabus obliterated nectris</i>		Insects & other
<i>Agabus obliterated obliterated</i>		Insects & other
<i>Agabus oblongulus</i>		Insects & other
<i>Agabus obsoletus</i>		Insects & other
<i>Agabus pandurus</i>		Insects & other
<i>Agabus perplexus</i>		Insects & other
<i>Agabus punctulatus</i>		Insects & other
<i>Agabus regularis</i>		Insects & other
<i>Agabus roguus</i>		Insects & other
<i>Agabus rumppi</i>	Death Valley Agabus Diving Beetle	Insects & other

Agabus sasquatch		Insects & other
Agabus semivittatus		Insects & other
Agabus seriatus		Insects & other
Agabus smithi		Insects & other
Agabus strigulosus		Insects & other
Agabus tristis		Insects & other
Agabus vandykei		Insects & other
Agabus versimilis		Insects & other
Agabus walsinghami		Insects & other
Agapetus arcita	A Caddisfly	Insects & other
Agapetus bifidus		Insects & other
Agapetus boulderensis		Insects & other
Agapetus celatus	A Caddisfly	Insects & other
Agapetus denningi		Insects & other
Agapetus joannia	A Caddisfly	Insects & other
Agapetus malleatus	A Caddisfly	Insects & other
Agapetus marlo	A Caddisfly	Insects & other
Agapetus occidentis		Insects & other
Agapetus orosus	A Caddisfly	Insects & other
Agapetus taho	A Caddisfly	Insects & other
Agathon arizonica		Insects & other
Agathon aylmeri		Insects & other
Agathon comstocki		Insects & other
Agathon dismalea		Insects & other
Agathon doanei	A Net-winged Midge	Insects & other
Agathon elegantulus		Insects & other
Agathon markii		Insects & other
Agathon sequoiarum		Insects & other
Agelaius phoeniceus aciculatus	Kern Red-winged Blackbird	Birds
Agelaius tricolor	Tricolored Blackbird	Birds
Agraylea multipunctata		Insects & other
Agraylea saltesea	A Caddisfly	Insects & other
Agrostis oregonensis	Oregon Bentgrass	Plants
Agrypnia dextra		Insects & other
Agrypnia glacialis	A Caddisfly	Insects & other
Agrypnia improba		Insects & other
Agrypnia vestita		Insects & other
Aix sponsa	Wood Duck	Birds
Alienacanthomysis macropsis		Crustaceans
Alisma gramineum	Narrowleaf Water-plantain	Plants
Alisma triviale	Northern Water-plantain	Plants



<i>Alisotrichia arizonica</i>		Insects & other
<i>Allium validum</i>	Tall Swamp Onion	Plants
<i>Allocosmoecus partitus</i>	A Caddisfly	Insects & other
<i>Allomyia acanthis</i>		Insects & other
<i>Allomyia cascadis</i>		Insects & other
<i>Allomyia cidoipes</i>	A Caddisfly	Insects & other
<i>Allomyia renoa</i>		Insects & other
<i>Alloperla chandleri</i>	Mariposa Sallfly	Insects & other
<i>Alloperla delicata</i>	Delicate Sallfly	Insects & other
<i>Alloperla elevata</i>	A Stonefly	Insects & other
<i>Alloperla fraterna</i>	Cascades Sallfly	Insects & other
<i>Alloperla thalia</i>		Insects & other
<i>Alnus rhombifolia</i>	White Alder	Plants
<i>Alnus rubra</i>	Red Alder	Plants
<i>Alnus viridis fruticosa</i>	Siberian Alder	Plants
<i>Alnus viridis sinuata</i>	Sitka Alder	Plants
<i>Alnus viridis viridis</i>	Green Alder	Plants
<i>Alopecurus aequalis aequalis</i>	Short-awn Foxtail	Plants
<i>Alopecurus aequalis sonomensis</i>	Sonoma Shortawn Foxtail	Plants
<i>Alopecurus carolinianus</i>	Tufted Foxtail	Plants
<i>Alopecurus geniculatus geniculatus</i>	Meadow Foxtail	Plants
<i>Alopecurus myosuroides</i>	NA	Plants
<i>Alopecurus pratensis</i>	NA	Plants
<i>Alopecurus saccatus</i>	Pacific Foxtail	Plants
<i>Alotanypus venustus</i>		Insects & other
<i>Ambrysus amargosus</i>	Ash Meadows Naucorid	Insects & other
<i>Ambrysus arizonus</i>		Insects & other
<i>Ambrysus californicus</i>		Insects & other
<i>Ambrysus circumcinctus</i>		Insects & other
<i>Ambrysus funebris</i>	Nevaras Spring Naucorid Bug	Insects & other
<i>Ambrysus melanopterus</i>		Insects & other
<i>Ambrysus mormon</i>		Insects & other
<i>Ambrysus occidentalis</i>		Insects & other
<i>Ambrysus pulchellus</i>		Insects & other
<i>Ambrysus puncticollis</i>		Insects & other
<i>Ambrysus relictus</i>		Insects & other
<i>Ambrysus thermarum</i>		Insects & other
<i>Ambrysus woodburyi</i>		Insects & other
<i>Ambystoma californiense</i> "Santa Barbara"	Santa Barbara Tiger Salamander	Herps
<i>Ambystoma californiense</i>	Sonoma Tiger Salamander	Herps

"Sonoma"		
<i>Ambystoma californiense californiense</i>	California Tiger Salamander	Herps
<i>Ambystoma gracile</i>	Northwestern Salamander	Herps
<i>Ambystoma macrodactylum</i>		Herps
<i>Ambystoma macrodactylum croceum</i>	Santa Cruz Long-toed Salamander	Herps
<i>Ambystoma macrodactylum sigillatum</i>	Southern Long-toed Salamander	Herps
<i>Ameletus amator</i>	A Mayfly	Insects & other
<i>Ameletus andersoni</i>	A Mayfly	Insects & other
<i>Ameletus bellulus</i>	A Mayfly	Insects & other
<i>Ameletus celer</i>	A Mayfly	Insects & other
<i>Ameletus cooki</i>	A Mayfly	Insects & other
<i>Ameletus dissitus</i>	A Mayfly	Insects & other
<i>Ameletus doddsianus</i>		Insects & other
<i>Ameletus edmundsi</i>	A Mayfly	Insects & other
<i>Ameletus exquisitus</i>		Insects & other
<i>Ameletus falsus</i>		Insects & other
<i>Ameletus imbellis</i>	A Mayfly	Insects & other
<i>Ameletus majusculus</i>	A Mayfly	Insects & other
<i>Ameletus minimus</i>	A Mayfly	Insects & other
<i>Ameletus oregonensis</i>		Insects & other
<i>Ameletus pritchardi</i>	A Mayfly	Insects & other
<i>Ameletus quadratus</i>		Insects & other
<i>Ameletus shepherdii</i>	A Mayfly	Insects & other
<i>Ameletus similior</i>	A Mayfly	Insects & other
<i>Ameletus sparsatus</i>	A Mayfly	Insects & other
<i>Ameletus subnotatus</i>	A Mayfly	Insects & other
<i>Ameletus suffusus</i>	A Mayfly	Insects & other
<i>Ameletus tolae</i>		Insects & other
<i>Ameletus validus</i>	A Mayfly	Insects & other
<i>Ameletus vancouverensis</i>	A Mayfly	Insects & other
<i>Ameletus velox</i>	A Mayfly	Insects & other
<i>Ameletus vernalis</i>	A Mayfly	Insects & other
<i>Americorophium salmonis</i>		Crustaceans
<i>Americorophium spinicorne</i>		Crustaceans
<i>Americorophium stimpsoni</i>		Crustaceans
<i>Ametor latus</i>		Insects & other
<i>Ametor scabrosus</i>		Insects & other
<i>Ametropus ammophilus</i>	A Mayfly	Insects & other
<i>Amiocentrus aspilus</i>	A Caddisfly	Insects & other

<i>Ammannia coccinea</i>	Scarlet Ammannia	Plants
<i>Ammannia robusta</i>	Grand Redstem	Plants
<i>Amnicola limosa</i>		Mollusks
<i>Amphiagrion abbreviatum</i>	Western Red Damsel	Insects & other
<i>Amphicosmoecus canax</i>	A Caddisfly	Insects & other
<i>Amphinemura apache</i>		Insects & other
<i>Amphinemura mogollonica</i>		Insects & other
<i>Amphinemura venusta</i>		Insects & other
<i>Amphiscirpus nevadensis</i>		Plants
<i>Amphizoa insolens</i>		Insects & other
<i>Amphizoa lecontei</i>		Insects & other
<i>Amphizoa striata</i>		Insects & other
<i>Ampumixis dispar</i>		Insects & other
<i>Anabolia bimaculata</i>		Insects & other
<i>Anacaena limbata</i>		Insects & other
<i>Anacaena signaticollis</i>		Insects & other
<i>Anacroneuria wipukupa</i>		Insects & other
<i>Anagapetus aisha</i>	A Caddisfly	Insects & other
<i>Anagapetus bernea</i>	A Caddisfly	Insects & other
<i>Anagapetus chandleri</i>	A Caddisfly	Insects & other
<i>Anagapetus debilis</i>		Insects & other
<i>Anagapetus hoodi</i>		Insects & other
<i>Anas acuta</i>	Northern Pintail	Birds
<i>Anas americana</i>	American Wigeon	Birds
<i>Anas clypeata</i>	Northern Shoveler	Birds
<i>Anas crecca</i>	Green-winged Teal	Birds
<i>Anas cyanoptera</i>	Cinnamon Teal	Birds
<i>Anas discors</i>	Blue-winged Teal	Birds
<i>Anas platyrhynchos</i>	Mallard	Birds
<i>Anas strepera</i>	Gadwall	Birds
<i>Anax junius</i>	Common Green Darner	Insects & other
<i>Anax walsinghamsi</i>	Giant Green Darner	Insects & other
<i>Anaxyrus boreas boreas</i>	Boreal Toad	Herps
<i>Anaxyrus boreas halophilus</i>	California Toad	Herps
<i>Anaxyrus californicus</i>	Arroyo Toad	Herps
<i>Anaxyrus canorus</i>	Yosemite Toad	Herps
<i>Anaxyrus cognatus</i>	Great Plains Toad	Herps
<i>Anaxyrus exsul</i>	Black Toad	Herps
<i>Anaxyrus punctatus</i>	Red-spotted Toad	Herps
<i>Anaxyrus woodhousii woodhousii</i>	Rocky Mountain Toad	Herps

<i>Anchycteis velutina</i>		Insects & other
<i>Anemopsis californica</i>	Yerba Mansa	Plants
<i>Anodonta californiensis</i>	California Floater	Mollusks
<i>Anodonta dejecta</i>	Woebegone Floater	Mollusks
<i>Anodonta oregonensis</i>	Oregon Floater	Mollusks
<i>Anopheles franciscanus</i>		Insects & other
<i>Anopheles freeborni</i>		Insects & other
<i>Anopheles hermsi</i>		Insects & other
<i>Anopheles judithae</i>		Insects & other
<i>Anopheles occidentalis</i>		Insects & other
<i>Anopheles punctipennis</i>		Insects & other
<i>Anser albifrons</i>	Greater White-fronted Goose	Birds
<i>Anser albifrons elgasi</i>	Tule White-fronted Goose	Birds
<i>Anthopotamus verticis</i>	Walker's Tusked Sparwler	Insects & other
<i>Antocha monticola</i>		Insects & other
<i>Apanisagrion lais</i>		Insects & other
<i>Apatania arizona</i>		Insects & other
<i>Apatania chasica</i>		Insects & other
<i>Apatania sores</i>	A Caddisfly	Insects & other
<i>Apatania tavalala</i>	Cascades Apatanian Caddisfly	Insects & other
<i>Apedilum elachistum</i>		Insects & other
<i>Apedilum subcinctum</i>		Insects & other
<i>Aphodius alternatus</i>		Insects & other
<i>Apobaetis etowah</i>	A Mayfly	Insects & other
<i>Aponogeton distachyos</i>	NA	Plants
<i>Apsectrotanypus florens</i>		Insects & other
<i>Apteraliplus parvulus</i>		Insects & other
<i>Aquarius amplus arizonensis</i>		Insects & other
<i>Aquarius remigis</i>		Insects & other
<i>Aquilegia eximia</i>	Van Houtte's Columbine	Plants
<i>Aquilegia shockleyi</i>	NA	Plants
<i>Araeopidius monochus</i>		Insects & other
<i>Archilestes californica</i>	California Spreadwing	Insects & other
<i>Archilestes grandis</i>	Great Spreadwing	Insects & other
<i>Archoplites interruptus</i>	Sacramento perch	Fishes
<i>Arctitalitus sylvaticus</i>		Crustaceans
<i>Arctocorisa sutilis</i>		Insects & other
<i>Arctopsyche californica</i>	A Caddisfly	Insects & other
<i>Arctopsyche grandis</i>	A Caddisfly	Insects & other
<i>Ardea alba</i>	Great Egret	Birds
<i>Ardea herodias</i>	Great Blue Heron	Birds

<i>Arenaria paludicola</i>	Marsh Sandwort	Plants
<i>Argia agrioides</i>	California Dancer	Insects & other
<i>Argia alberta</i>	Paiute Dancer	Insects & other
<i>Argia emma</i>	Emma's Dancer	Insects & other
<i>Argia fumipennis</i>		Insects & other
<i>Argia hinei</i>	Lavender Dancer	Insects & other
<i>Argia immunda</i>	Kiowa Dancer	Insects & other
<i>Argia lacrimans</i>		Insects & other
<i>Argia lugens</i>	Sooty Dancer	Insects & other
<i>Argia moesta</i>	Powdered Dancer	Insects & other
<i>Argia munda</i>		Insects & other
<i>Argia nahuana</i>	Aztec Dancer	Insects & other
<i>Argia oenea</i>		Insects & other
<i>Argia pallens</i>		Insects & other
<i>Argia pima</i>		Insects & other
<i>Argia plana</i>		Insects & other
<i>Argia sabino</i>		Insects & other
<i>Argia sedula</i>	Blue-ringed Dancer	Insects & other
<i>Argia tarascana</i>		Insects & other
<i>Argia tezpi</i>		Insects & other
<i>Argia tonto</i>		Insects & other
<i>Argia translata</i>		Insects & other
<i>Argia vivida</i>	Vivid Dancer	Insects & other
<i>Artemia franciscana</i>	San Francisco Brine Shrimp	Crustaceans
<i>Artemia monica</i>	Mono Lake Brine Shrimp	Crustaceans
<i>Arundo donax</i>	NA	Plants
<i>Asarum lemmonii</i>	Lemmon's Wild Ginger	Plants
<i>Ascaphus truei</i>	Coastal Tailed Frog	Herps
<i>Asioplax edmundsi</i>	A Mayfly	Insects & other
<i>Assiminea californica</i>		Mollusks
<i>Assiminea infima</i>	Badwater Snail	Mollusks
<i>Asynarchus aldinus</i>		Insects & other
<i>Asynarchus cinnamoneus</i>		Insects & other
<i>Asynarchus montanus</i>		Insects & other
<i>Asynarchus pacificus</i>		Insects & other
<i>Atherix pachypus</i>		Insects & other
<i>Atopsyche sperryi</i>		Insects & other
<i>Atopsyche tripunctata</i>		Insects & other
<i>Atractelmis wawona</i>	Wawona Riffle Beetle	Insects & other
<i>Attenella attenuata</i>		Insects & other
<i>Attenella delantala</i>	A Mayfly	Insects & other

<i>Attenella margarita</i>	A Mayfly	Insects & other
<i>Attenella soquele</i>	A Mayfly	Insects & other
<i>Augyles mundulus</i>		Insects & other
<i>Axonopsis californica</i>		Insects & other
<i>Aythya affinis</i>	Lesser Scaup	Birds
<i>Aythya americana</i>	Redhead	Birds
<i>Aythya collaris</i>	Ring-necked Duck	Birds
<i>Aythya marila</i>	Greater Scaup	Birds
<i>Aythya valisineria</i>	Canvasback	Birds
<i>Azolla filiculoides</i>	NA	Plants
<i>Azolla microphylla</i>	Mexican mosquito fern	Plants
<i>Baccharis glutinosa</i>	NA	Plants
<i>Baccharis salicina</i>		Plants
<i>Bacopa eisenii</i>	Gila River Water-hyssop	Plants
<i>Bacopa monnieri</i>	NA	Plants
<i>Bacopa rotundifolia</i>	NA	Plants
<i>Baetis adonis</i>	A Mayfly	Insects & other
<i>Baetis alius</i>	A Mayfly	Insects & other
<i>Baetis bicaudatus</i>	A Mayfly	Insects & other
<i>Baetis diablus</i>	A Mayfly	Insects & other
<i>Baetis flavistriga</i>	A Mayfly	Insects & other
<i>Baetis magnus</i>	A Mayfly	Insects & other
<i>Baetis notos</i>	A Mayfly	Insects & other
<i>Baetis palisadi</i>	A Mayfly	Insects & other
<i>Baetis piscatoris</i>	A Mayfly	Insects & other
<i>Baetis tricaudatus</i>	A Mayfly	Insects & other
<i>Baetisca lacustris</i>		Insects & other
<i>Baetodes alleni</i>		Insects & other
<i>Baetodes arizonensis</i>		Insects & other
<i>Baetodes bibranchius</i>		Insects & other
<i>Baetodes edmundsi</i>		Insects & other
<i>Bandakia fragilis</i>		Insects & other
<i>Bandakia longipalpis</i>		Insects & other
<i>Bandakia oregonensis</i>		Insects & other
<i>Banksiola crotchi</i>	A Caddisfly	Insects & other
<i>Batis maritima</i>	Saltwort	Plants
<i>Batrachoseps campi</i>	Inyo Mountains Salamander	Herps
<i>Baumannella alameda</i>	Alameda Springfly	Insects & other
<i>Beckmannia syzigachne</i>	American Sloughgrass	Plants
<i>Belostoma bakeri</i>		Insects & other
<i>Belostoma confusum</i>		Insects & other

<i>Belostoma flumineum</i>		Insects & other
<i>Belostoma saratogae</i>	Saratoga Springs Belostoman Bug	Insects & other
<i>Belostoma subspinosum</i>		Insects & other
<i>Bergia texana</i>	Texas Bergia	Plants
<i>Berosus fraternus</i>		Insects & other
<i>Berosus hatchi</i>		Insects & other
<i>Berosus infuscatus</i>		Insects & other
<i>Berosus ingeminatus</i>		Insects & other
<i>Berosus maculosus</i>		Insects & other
<i>Berosus metaliceps</i>		Insects & other
<i>Berosus notapeltatus</i>		Insects & other
<i>Berosus oregonensis</i>		Insects & other
<i>Berosus punctatissimus</i>		Insects & other
<i>Berosus sayi</i>		Insects & other
<i>Berosus stylifera</i>		Insects & other
<i>Berula erecta</i>	Wild Parsnip	Plants
<i>Betula glandulosa</i>	Resin Birch	Plants
<i>Bibiocephala grandis</i>		Insects & other
<i>Bidens cernua</i>	Nodding Beggarticks	Plants
<i>Bidens laevis</i>	Smooth Bur-marigold	Plants
<i>Bidens tripartita</i>	NA	Plants
<i>Bidens vulgata</i>	NA	Plants
<i>Bilyjomyia algens</i>		Insects & other
<i>Biomphalaria havanensis</i>	Ghost Rams-horn	Mollusks
<i>Bisancora pastina</i>	Antelope Sallfly	Insects & other
<i>Bisancora rutriformis</i>	Scooped Sallfly	Insects & other
<i>Bistorta bistortoides</i>		Plants
<i>Bittacomorpha clavipes</i>		Insects & other
<i>Bittacomorpha occidentalis</i>		Insects & other
<i>Bittacomorphella ostenii</i>		Insects & other
<i>Bittacomorphella pacifica</i>		Insects & other
<i>Blennosperma bakeri</i>	Baker's Blennosperma	Plants
<i>Blepharicera jordani</i>		Insects & other
<i>Blepharicera kalmiopsis</i>		Insects & other
<i>Blepharicera micheneri</i>	A Net-winged Midge	Insects & other
<i>Blepharicera ostensackeni</i>		Insects & other
<i>Blepharicera zionensis</i>		Insects & other
<i>Boehmeria cylindrica</i>	NA	Plants
<i>Bolboschoenus fluviatilis</i>		Plants
<i>Bolboschoenus glaucus</i>	NA	Plants
<i>Bolboschoenus maritimus</i>	NA	Plants

paludosus		
Bolboschoenus robustus		Plants
Bolshecapnia maculata	Spotted Snowfly	Insects & other
Boreoclus persimilis		Insects & other
Boreoclus sinuaticornis		Insects & other
Boreoheptagyia lurida		Insects & other
Botaurus lentiginosus	American Bittern	Birds
Bowmanasellus sequoiae	Sequoia cave isopod	Crustaceans
Brachycentrus americanus	A Caddisfly	Insects & other
Brachycentrus echo	A Caddisfly	Insects & other
Brachycentrus occidentalis		Insects & other
Brachymesia furcata	Red-tailed Pennant	Insects & other
Brachymesia gravida		Insects & other
Branchinecta campestris	Pocket Pouch Fairy Shrimp	Crustaceans
Branchinecta coloradensis	Colorado Fairy Shrimp	Crustaceans
Branchinecta conservatio	Conservancy Fairy Shrimp	Crustaceans
Branchinecta cornigera		Crustaceans
Branchinecta dissimilis	Dissimilar Fairy Shrimp	Crustaceans
Branchinecta gigas	Giant Fairy Shrimp	Crustaceans
Branchinecta hiberna	Winter Fairy Shrimp	Crustaceans
Branchinecta kaibabensis		Crustaceans
Branchinecta lindahli	Versatile Fairy Shrimp	Crustaceans
Branchinecta longiantenna	Longhorn Fairy Shrimp	Crustaceans
Branchinecta lynchi	Vernal Pool Fairy Shrimp	Crustaceans
Branchinecta mackini	Alkali Fairy Shrimp	Crustaceans
Branchinecta mesovallensis	Midvalley Fairy Shrimp	Crustaceans
Branchinecta oriena	A Fairy Shrimp	Crustaceans
Branchinecta packardi		Crustaceans
Branchinecta sandiegonensis	San Diego Fairy Shrimp	Crustaceans
Brasenia schreberi	Watershield	Plants
Brechmorhoga mendax	Pale-faced Clubskimmer	Insects & other
Brechmorhoga pertinax		Insects & other
Brillia flavifrons		Insects & other
Brillia laculata		Insects & other
Brillia parva		Insects & other
Brillia retifinis		Insects & other
Brodiaea nana		Plants
Brodiaea orcuttii	Orcutt's Brodiaea	Plants
Brodiaea pallida	Chinese Camp Brodiaea	Plants
Brundiniella eumorpha		Insects & other
Brychius hornii		Insects & other



<i>Brychius pacificus</i>		Insects & other
<i>Bucephala albeola</i>	Bufflehead	Birds
<i>Bucephala clangula</i>	Common Goldeneye	Birds
<i>Buenoa arida</i>		Insects & other
<i>Buenoa arizonis</i>		Insects & other
<i>Buenoa hungerfordi</i>		Insects & other
<i>Buenoa margaritacea</i>		Insects & other
<i>Buenoa omani</i>		Insects & other
<i>Buenoa scimitra</i>		Insects & other
<i>Buenoa uhleri</i>		Insects & other
<i>Butorides virescens</i>	Green Heron	Birds
<i>Caecidotea sequoiae</i>	An Isopod	Crustaceans
<i>Caecidotea tomalensis</i>	Tomales Isopod	Crustaceans
<i>Caenis amica</i>	A Mayfly	Insects & other
<i>Caenis bajaensis</i>	A Mayfly	Insects & other
<i>Caenis latipennis</i>	A Mayfly	Insects & other
<i>Caenis punctata</i>	A Mayfly	Insects & other
<i>Caenis youngi</i>	A Mayfly	Insects & other
<i>Caladomyia pistra</i>		Insects & other
<i>Calamagrostis nutkaensis</i>	Pacific Small-reedgrass	Plants
<i>Calasellus californicus</i>	An Isopod	Crustaceans
<i>Calasellus longus</i>	An Isopod	Crustaceans
<i>Calidris alpina</i>	Dunlin	Birds
<i>Calidris mauri</i>	Western Sandpiper	Birds
<i>Calidris minutilla</i>	Least Sandpiper	Birds
<i>Calileuctra dobryi</i>	Elsmere Needlefly	Insects & other
<i>Calileuctra ephemera</i>	Napa Needlefly	Insects & other
<i>Calineuria californica</i>	Western Stone	Insects & other
<i>Callibaetis californicus</i>	A Mayfly	Insects & other
<i>Callibaetis ferrugineus</i>	A Mayfly	Insects & other
<i>Callibaetis fluctuans</i>	A Mayfly	Insects & other
<i>Callibaetis montanus</i>		Insects & other
<i>Callibaetis pallidus</i>	A Mayfly	Insects & other
<i>Callibaetis pictus</i>	A Mayfly	Insects & other
<i>Callicorixa audeni</i>		Insects & other
<i>Callicorixa scudderi</i>		Insects & other
<i>Callicorixa vulnerata</i>		Insects & other
<i>Calliperla luctuosa</i>	Coast Stripetail	Insects & other
<i>Callitriche fassettii</i>	NA	Plants
<i>Callitriche heterophylla bolanderi</i>	Large Water-starwort	Plants

Callitriche heterophylla heterophylla	Northern Water-starwort	Plants
Callitriche longipedunculata	Longstock Water-starwort	Plants
Callitriche marginata	Winged Water-starwort	Plants
Callitriche palustris	Vernal Water-starwort	Plants
Callitriche trochlearis	Waste-water Water-starwort	Plants
Calochortus uniflorus	Shortstem Mariposa Lily	Plants
Calopteryx aequabilis	River Jewelwing	Insects & other
Caltha leptosepala	Slender-sepal Marsh-marigold	Plants
Caltha palustris	NA	Plants
Camelobaetidius kickapoo		Insects & other
Camelobaetidius maidu	Maidu Mayfly	Insects & other
Camelobaetidius mexicanus		Insects & other
Camelobaetidius musseri		Insects & other
Camelobaetidius warreni	A Mayfly	Insects & other
Campanula californica	Swamp Harebell	Plants
Capnia barberi	Plumas Snowfly	Insects & other
Capnia californica	California Snowfly	Insects & other
Capnia caryi		Insects & other
Capnia confusa		Insects & other
Capnia coyote	Coyote Snowfly	Insects & other
Capnia decepta		Insects & other
Capnia elongata	Caascades Snowfly	Insects & other
Capnia erecta		Insects & other
Capnia excavata	Saddleback Snowfly	Insects & other
Capnia fialai	Humboldt Snowfly	Insects & other
Capnia giulianii	Whitney Snowfly	Insects & other
Capnia glabra	Smooth Snowfly	Insects & other
Capnia gracilaria	Slender Snowfly	Insects & other
Capnia hitchcocki	Arroyo Snowfly	Insects & other
Capnia hornigi		Insects & other
Capnia inyo	Inyo Snowfly	Insects & other
Capnia jewetti		Insects & other
Capnia kersti		Insects & other
Capnia lacustra	Lake Snowfly	Insects & other
Capnia licina		Insects & other
Capnia lineata	Straight Snowfly	Insects & other
Capnia mariposa	Mariposa Snowfly	Insects & other
Capnia melia	Northwest Snowfly	Insects & other
Capnia mono	Mono Snowfly	Insects & other
Capnia nana		Insects & other

Capnia nedia		Insects & other
Capnia ophiona	Snakehead Snowfly	Insects & other
Capnia oregona		Insects & other
Capnia palomar	Palomar Snowfly	Insects & other
Capnia petila		Insects & other
Capnia pileata	Birdhead Snowfly	Insects & other
Capnia promota	Pacific Snowfly	Insects & other
Capnia quadrituberosa	Four-knobbed Snowfly	Insects & other
Capnia regilla	Royal Snowfly	Insects & other
Capnia saratoga	Saratoga Snowfly	Insects & other
Capnia scobina	Rasp Snowfly	Insects & other
Capnia sequoia	Sequoia Snowfly	Insects & other
Capnia sextuberculata		Insects & other
Capnia shasta		Insects & other
Capnia shepardii	Yuba Snowfly	Insects & other
Capnia spinulosa	San Gabriel Snowfly	Insects & other
Capnia teresa	Bernardino Snowfly	Insects & other
Capnia tumida	Swollen Snowfly	Insects & other
Capnia uintahi		Insects & other
Capnia umpqua	Umpqua Snowfly	Insects & other
Capnia utahensis	Utah Snowfly	Insects & other
Capnia valhalla	Viking Snowfly	Insects & other
Capnia ventura	Ventura Snowfly	Insects & other
Capnia willametta		Insects & other
Capnia yosemite	Yosemite Snowfly	Insects & other
Capnura anas		Insects & other
Capnura elevata		Insects & other
Capnura fibula		Insects & other
Capnura intermontana		Insects & other
Capnura venosa		Insects & other
Capnura wanica		Insects & other
Cardiocladius platypus		Insects & other
Carex alma	Sturdy Sedge	Plants
Carex amplifolia	Bigleaf Sedge	Plants
Carex aquatilis aquatilis	Water Sedge	Plants
Carex aquatilis dives	Sitka Sedge	Plants
Carex arcta	Northern Clustered Sedge	Plants
Carex atherodes	Awned Sedge	Plants
Carex aurea	Golden-fruit Sedge	Plants
Carex buxbaumii	Buxbaum's Sedge	Plants
Carex canescens canescens	Hoary Sedge	Plants

Carex comosa	Bristly Sedge	Plants
Carex cusickii	Cusick's Sedge	Plants
Carex densa	Dense Sedge	Plants
Carex diandra	Lesser Panicked Sedge	Plants
Carex disperma	Softleaf Sedge	Plants
Carex echinata echinata	Little Prickly Sedge	Plants
Carex echinata phyllomanica	Star Sedge	Plants
Carex exsiccata	Beaked Sedge	Plants
Carex feta	Green-sheath Sedge	Plants
Carex fissuricola	Cleft Sedge	Plants
Carex harfordii	Harford's Sedge	Plants
Carex hendersonii	Henderson's Sedge	Plants
Carex hirtissima	Fuzzy Sedge	Plants
Carex hystericina	Porcupine Sedge	Plants
Carex integra	Smooth-beak Sedge	Plants
Carex interior	Inland Sedge	Plants
Carex jonesii	Jones' Sedge	Plants
Carex klamathensis		Plants
Carex lasiocarpa	Slender Sedge	Plants
Carex lemmonii	Lemmon's Sedge	Plants
Carex lenticularis	Shore Sedge	Plants
Carex leporina		Plants
Carex leporinella	Sierra Hare Sedge	Plants
Carex leptalea	NA	Plants
Carex limosa	Mud Sedge	Plants
Carex livida	Livid Sedge	Plants
Carex longii	NA	Plants
Carex luzulina luzulina	Woodrush Sedge	Plants
Carex lyngbyei	Lyngbye's Sedge	Plants
Carex mertensii	Mertens' Sedge	Plants
Carex nebrascensis	Nebraska Sedge	Plants
Carex nervina	Sierra Sedge	Plants
Carex neurophora	Alpine-nerved Sedge	Plants
Carex nigricans	Black Alpine Sedge	Plants
Carex nudata	Torrent Sedge	Plants
Carex obnupta	Slough Sedge	Plants
Carex pellita	Woolly Sedge	Plants
Carex praeceptorum	Teacher's Sedge	Plants
Carex praticola	Northern Meadow Sedge	Plants
Carex saliniformis	Santa Cruz Sedge	Plants
Carex sartwelliana	Yosemite Sedge	Plants

<i>Carex scabriuscula</i>	Cascade Sedge	Plants
<i>Carex schottii</i>	Schott's Sedge	Plants
<i>Carex scoparia scoparia</i>	Broom Sedge	Plants
<i>Carex scopulorum bracteosa</i>	Holm's Rocky Mountain Sedge	Plants
<i>Carex senta</i>	Western Rough Sedge	Plants
<i>Carex sheldonii</i>	Sheldon's Sedge	Plants
<i>Carex simulata</i>	Copycat Sedge	Plants
<i>Carex spectabilis</i>	Northwestern Showy Sedge	Plants
<i>Carex stipata stipata</i>	Stalk-grain Sedge	Plants
<i>Carex utriculata</i>	Beaked Sedge	Plants
<i>Carex vesicaria vesicaria</i>	Inflated Sedge	Plants
<i>Carex viridula viridula</i>	Little Green Sedge	Plants
<i>Carex vulpinoidea</i>	NA	Plants
<i>Cascadia nuttallii</i>	NA	Plants
<i>Cascadoperla trictura</i>	Cascades Stripetail	Insects & other
<i>Castilleja campestris succulenta</i>	Fleshy Owl's-clover	Plants
<i>Castilleja miniata elata</i>	Siskiyou Indian-paintbrush	Plants
<i>Castilleja miniata miniata</i>	Greater Red Indian-paintbrush	Plants
<i>Castilleja minor minor</i>	Alkali Indian-paintbrush	Plants
<i>Castilleja minor spiralis</i>	Large-flower Annual Indian-paintbrush	Plants
<i>Castor canadensis</i>	American Beaver	Mammals
<i>Catostomus fumeiventris</i>	Owens sucker	Fishes
<i>Catostomus latipinnis</i>	Flannelmouth sucker	Fishes
<i>Catostomus luxatus</i>	Lost River sucker	Fishes
<i>Catostomus microps</i>	Modoc sucker	Fishes
<i>Catostomus occidentalis humboldtianus</i>	Humboldt sucker	Fishes
<i>Catostomus occidentalis lacusanserinus</i>	Goose Lake sucker	Fishes
<i>Catostomus occidentalis mnioltiltus</i>	Monterey sucker	Fishes
<i>Catostomus occidentalis occidentalis</i>	Sacramento sucker	Fishes
<i>Catostomus platyrhynchus</i>	Lahontan mountain sucker	Fishes
<i>Catostomus rimiculus</i>	Klamath smallscale sucker	Fishes
<i>Catostomus santaanae</i>	Santa Ana sucker	Fishes
<i>Catostomus snyderi</i>	Klamath largescale sucker	Fishes
<i>Catostomus tahoensis</i>	Tahoe sucker	Fishes
<i>Caudatella columbiella</i>		Insects & other
<i>Caudatella edmundsi</i>	A Mayfly	Insects & other
<i>Caudatella heterocaudata</i>	A Mayfly	Insects & other
<i>Caudatella hystrix</i>	A Mayfly	Insects & other

<i>Caudatella jacobii</i>	A Mayfly	Insects & other
<i>Celina occidentalis</i>		Insects & other
<i>Cenocorixa andersoni</i>		Insects & other
<i>Cenocorixa blaisdelli</i>		Insects & other
<i>Cenocorixa kuiterti</i>	A Water Boatman	Insects & other
<i>Cenocorixa utahensis</i>		Insects & other
<i>Cenocorixa wileyae</i>		Insects & other
<i>Centroptilum album</i>	A Mayfly	Insects & other
<i>Centroptilum asperatum</i>	A Mayfly	Insects & other
<i>Centroptilum bifurcatum</i>	A Mayfly	Insects & other
<i>Centroptilum conturbatum</i>	A Mayfly	Insects & other
<i>Centroptilum elsa</i>		Insects & other
<i>Centroptilum oreophilum</i>		Insects & other
<i>Centroptilum selanderorum</i>		Insects & other
<i>Cephalanthus occidentalis</i>	Common Buttonbush	Plants
<i>Ceraclea annulicornis</i>	A Caddisfly	Insects & other
<i>Ceraclea latahensis</i>	A Caddisfly	Insects & other
<i>Ceraclea maculata</i>	A Caddisfly	Insects & other
<i>Ceraclea resurgens</i>		Insects & other
<i>Ceraclea tarsipunctata</i>	A Caddisfly	Insects & other
<i>Ceraclea vertreesi</i>		Insects & other
<i>Ceratophyllum demersum</i>	Common Hornwort	Plants
<i>Chaetarthria bicolor</i>		Insects & other
<i>Chaetarthria hespera</i>		Insects & other
<i>Chaetarthria leechi</i>	Leech's Chaetarthrian Water Scavenger Beetle	Insects & other
<i>Chaetarthria magna</i>		Insects & other
<i>Chaetarthria nigrella</i>		Insects & other
<i>Chaetarthria ochra</i>		Insects & other
<i>Chaetarthria pallida</i>		Insects & other
<i>Chaetarthria punctulata</i>		Insects & other
<i>Chaetarthria pusilla</i>		Insects & other
<i>Chaetarthria spinata</i>		Insects & other
<i>Chaetarthria truncata</i>		Insects & other
<i>Chaetocladius ligni</i>		Insects & other
<i>Chamaecyparis lawsoniana</i>		Plants
<i>Chasmatonotus hyalinus</i>		Insects & other
<i>Chasmatonotus maculipennis</i>		Insects & other
<i>Chasmatonotus univittatus</i>		Insects & other
<i>Chasmistes brevirostris</i>	Shortnose sucker	Fishes
<i>Chelomideopsis brunsoni</i>		Insects & other

<i>Chelomideopsis minuta</i>		Insects & other
<i>Chelomideopsis occidentalis</i>		Insects & other
<i>Chelomideopsis siskiyouensis</i>		Insects & other
<i>Chen caerulescens</i>	Snow Goose	Birds
<i>Chen rossii</i>	Ross's Goose	Birds
<i>Chernokrillus misnomus</i>	Oregon Springfly	Insects & other
<i>Chernovskiiia orbicus</i>		Insects & other
<i>Cheumatopsyche analis</i>		Insects & other
<i>Cheumatopsyche arizonensis</i>	A Caddisfly	Insects & other
<i>Cheumatopsyche campyla</i>	A Caddisfly	Insects & other
<i>Cheumatopsyche enonis</i>		Insects & other
<i>Cheumatopsyche gelita</i>		Insects & other
<i>Cheumatopsyche lasia</i>		Insects & other
<i>Cheumatopsyche mickeli</i>	A Caddisfly	Insects & other
<i>Cheumatopsyche mollala</i>	A Caddisfly	Insects & other
<i>Cheumatopsyche pasella</i>		Insects & other
<i>Cheumatopsyche pinula</i>		Insects & other
<i>Cheumatopsyche wabasha</i>		Insects & other
<i>Chimarra adella</i>		Insects & other
<i>Chimarra angustipennis</i>	A Caddisfly	Insects & other
<i>Chimarra butleri</i>	A Caddisfly	Insects & other
<i>Chimarra elia</i>	A Caddisfly	Insects & other
<i>Chimarra lara</i>		Insects & other
<i>Chimarra primula</i>		Insects & other
<i>Chimarra ridleyi</i>		Insects & other
<i>Chimarra schiza</i>		Insects & other
<i>Chimarra siva</i>		Insects & other
<i>Chimarra texana</i>		Insects & other
<i>Chimarra utahensis</i>	A Caddisfly	Insects & other
<i>Chironomus anonymus</i>		Insects & other
<i>Chironomus anthracinus</i>		Insects & other
<i>Chironomus atrella</i>		Insects & other
<i>Chironomus calligraphus</i>		Insects & other
<i>Chironomus cucini</i>		Insects & other
<i>Chironomus decorus</i>		Insects & other
<i>Chironomus frommeri</i>		Insects & other
<i>Chironomus longipes</i>		Insects & other
<i>Chironomus matusus</i>		Insects & other
<i>Chironomus mendax</i>		Insects & other
<i>Chironomus plumosus</i>		Insects & other
<i>Chironomus riparius</i>		Insects & other

<i>Chironomus staegeri</i>		Insects & other
<i>Chironomus stigmaterus</i>		Insects & other
<i>Chironomus tuxis</i>		Insects & other
<i>Chironomus utahensis</i>		Insects & other
<i>Chironomus whitseti</i>		Insects & other
<i>Chlidonias niger</i>	Black Tern	Birds
<i>Chloropyron maritimum canescens</i>		Plants
<i>Chloropyron maritimum maritimum</i>		Plants
<i>Chloropyron maritimum palustre</i>		Plants
<i>Chloropyron molle hispidum</i>		Plants
<i>Chloropyron molle molle</i>		Plants
<i>Chloropyron palmatum</i>	NA	Plants
<i>Chloropyron tecopense</i>		Plants
<i>Choroterpes albiannulata</i>	A Mayfly	Insects & other
<i>Choroterpes inornata</i>	A Mayfly	Insects & other
<i>Choroterpes terratoma</i>	A Mayfly	Insects & other
<i>Chroicocephalus philadelphia</i>	Bonaparte's Gull	Birds
<i>Chrysosplenium glechomifolium</i>	Pacific Golden-saxifrage	Plants
<i>Chyrandra centralis</i>	A Caddisfly	Insects & other
<i>Cicendia quadrangularis</i>	Oregon Microcala	Plants
<i>Cicuta douglasii</i>	Western Water-hemlock	Plants
<i>Cicuta maculata angustifolia</i>	Spotted Water-hemlock	Plants
<i>Cicuta maculata bolanderi</i>	Bolander's Water-hemlock	Plants
<i>Cicuta maculata maculata</i>	Spotted Water-hemlock	Plants
<i>Cinclus mexicanus</i>	American Dipper	Birds
<i>Cinygma dimicki</i>	A Mayfly	Insects & other
<i>Cinygma integrum</i>	A Mayfly	Insects & other
<i>Cinygma lyriforme</i>	A Mayfly	Insects & other
<i>Cinygmula gartrelli</i>	A Mayfly	Insects & other
<i>Cinygmula mimus</i>	A Mayfly	Insects & other
<i>Cinygmula par</i>	A Mayfly	Insects & other
<i>Cinygmula ramaleyi</i>	A Mayfly	Insects & other
<i>Cinygmula reticulata</i>	A Mayfly	Insects & other
<i>Cinygmula tarda</i>		Insects & other
<i>Cinygmula tioga</i>	A Mayfly	Insects & other
<i>Cinygmula uniformis</i>	A Mayfly	Insects & other
<i>Cirsium crassicaule</i>	Slough Thistle	Plants
<i>Cirsium douglasii breweri</i>		Plants



<i>Cirsium douglasii douglasii</i>	Douglas' Thistle	Plants
<i>Cirsium fontinale campylon</i>	Mt. Hamilton Thistle	Plants
<i>Cirsium fontinale fontinale</i>	Fountain Thistle	Plants
<i>Cirsium fontinale obispoense</i>	Chorro Creek Bog Thistle	Plants
<i>Cirsium hydrophilum hydrophilum</i>	Suisun Thistle	Plants
<i>Cirsium hydrophilum vaseyi</i>	Mt. Tamalpais Thistle	Plants
<i>Cirsium scariosum loncholepis</i>		Plants
<i>Cirsium scariosum robustum</i>		Plants
<i>Cirsium scariosum scariosum</i>	Drummond's Thistle	Plants
<i>Cistothorus palustris clarkae</i>	Clark's Marsh Wren	Birds
<i>Cistothorus palustris palustris</i>	Marsh Wren	Birds
<i>Claassenia sabulosa</i>	Shortwing Stone	Insects & other
<i>Cladium californicum</i>	California Sawgrass	Plants
<i>Cladopelma amachaerum</i>		Insects & other
<i>Cladopelma edwardsi</i>		Insects & other
<i>Cladopelma forcipis</i>		Insects & other
<i>Cladopelma viridulum</i>		Insects & other
<i>Cladotanytarsus marki</i>		Insects & other
<i>Cladotanytarsus viridiventris</i>		Insects & other
<i>Cleptelmis addenda</i>		Insects & other
<i>Climacia californica</i>		Insects & other
<i>Clinopodium mimuloides</i>	Monkey-flower Savory	Plants
<i>Clinotanypus pinguis</i>		Insects & other
<i>Clistronia formosa</i>		Insects & other
<i>Clistronia maculata</i>		Insects & other
<i>Clistronia magnifica</i>	A Caddisfly	Insects & other
<i>Cloeodes excogitatus</i>	A Mayfly	Insects & other
<i>Cloeodes macrolamellus</i>		Insects & other
<i>Cloeodes peninsulus</i>		Insects & other
<i>Clostoecca disjuncta</i>	A Caddisfly	Insects & other
<i>Clunio californiensis</i>		Insects & other
<i>Cnodocentron yavapai</i>		Insects & other
<i>Coccyzus americanus occidentalis</i>	Western Yellow-billed Cuckoo	Birds
<i>Coenagrion resolutum</i>	Taiga Bluet	Insects & other
<i>Colligyryus convexus</i>	Canary Dusksnail	Mollusks
<i>Colligyryus greggi</i>		Mollusks
<i>Colymbetes crotchi</i>		Insects & other
<i>Colymbetes densus</i>		Insects & other
<i>Colymbetes incognitus</i>		Insects & other
<i>Colymbetes strigatus</i>		Insects & other

<i>Comarum palustre</i>	Marsh Cinquefoil	Plants
<i>Conchapelopia mera</i>		Insects & other
<i>Conchapelopia pallens</i>		Insects & other
<i>Copelatus chevrolati</i>		Insects & other
<i>Copelatus glyphicus</i>		Insects & other
<i>Coptotomus longulus longulus</i>		Insects & other
<i>Coquillettidia peturbans</i>		Insects & other
<i>Cordulegaster diadema</i>		Insects & other
<i>Cordulegaster dorsalis</i>	Pacific Spiketail	Insects & other
<i>Cordulia shurtleffii</i>	American Emerald	Insects & other
<i>Corisella decolor</i>		Insects & other
<i>Corisella edulis</i>		Insects & other
<i>Corisella inscripta</i>		Insects & other
<i>Corisella tarsalis</i>		Insects & other
<i>Corydalus bidenticulatus</i>		Insects & other
<i>Corydalus texanus</i>		Insects & other
<i>Cosumnoperla hypocrena</i>	Cosumnes Stripetail	Insects & other
<i>Cosumnoperla sequoia</i>	A Stonefly	Insects & other
<i>Cottus aleuticus</i>	Coastrange sculpin	Fishes
<i>Cottus asper</i> ssp. 1	Prickly sculpin	Fishes
<i>Cottus asper</i> ssp. 2	Clear Lake prickly sculpin	Fishes
<i>Cottus asperrimus</i>	Rough sculpin	Fishes
<i>Cottus beldingi</i>	Paiute sculpin	Fishes
<i>Cottus gulosus</i>	Riffle sculpin	Fishes
<i>Cottus klamathensis</i> <i>klamathensis</i>	Upper Klamath marbled sculpin	Fishes
<i>Cottus klamathensis macrops</i>	Bigeye marbled sculpin	Fishes
<i>Cottus klamathensis polyporus</i>	Lower Klamath marbled sculpin	Fishes
<i>Cottus perplexus</i>	Reticulate sculpin	Fishes
<i>Cottus pitensis</i>	Pit sculpin	Fishes
<i>Cotula coronopifolia</i>	NA	Plants
<i>Coturnicops noveboracensis</i>	Yellow Rail	Birds
<i>Crangonyx richmondensis</i>	Ellis Bog Crangonyctid	Crustaceans
<i>Crassula aquatica</i>	Water Pygmyweed	Plants
<i>Crassula solieri</i>	NA	Plants
<i>Crenitis alticola</i>		Insects & other
<i>Crenitis dissimilis</i>		Insects & other
<i>Crenitis malkini</i>		Insects & other
<i>Crenitis morata</i>		Insects & other
<i>Crenitis palpalis</i>		Insects & other
<i>Crenitis paradigma</i>		Insects & other

Crenitis rufiventris		Insects & other
Crenitis seriellus		Insects & other
Crenitis snoqualmie		Insects & other
Crenophylax sperryi		Insects & other
Cricotopus annulator		Insects & other
Cricotopus bicinctus		Insects & other
Cricotopus blinni		Insects & other
Cricotopus edurus		Insects & other
Cricotopus furtivus		Insects & other
Cricotopus fuscatus		Insects & other
Cricotopus globistylus		Insects & other
Cricotopus herrmanni		Insects & other
Cricotopus infuscatus		Insects & other
Cricotopus nostocicola		Insects & other
Cricotopus obscurifuscus		Insects & other
Cricotopus ornatus		Insects & other
Cricotopus parafuscatus		Insects & other
Cricotopus subfuscus		Insects & other
Cricotopus subletteorum		Insects & other
Cricotopus sylvestris		Insects & other
Cricotopus tremulus		Insects & other
Cricotopus trifascia		Insects & other
Crypsis vaginiflora	NA	Plants
Cryptochia califca	A Caddisfly	Insects & other
Cryptochia denningi	Denning's Cryptic Caddisfly	Insects & other
Cryptochia excella	Kings Canyon Cryptochian Caddisfly	Insects & other
Cryptochia neosa		Insects & other
Cryptochia pilosa		Insects & other
Cryptochia shasta	Confusion Caddisfly	Insects & other
Cryptochironomus curryi		Insects & other
Cryptochironomus digitatus		Insects & other
Cryptochironomus fulvus		Insects & other
Cryptochironomus ponderosus		Insects & other
Cryptochironomus psittacinus		Insects & other
Cryptotendipes ariel		Insects & other
Cryptotendipes darbyi		Insects & other
Culex anips		Insects & other
Culex apicalis		Insects & other
Culex arizonensis		Insects & other
Culex boharti		Insects & other
Culex coronator		Insects & other

<i>Culex erythrothorax</i>		Insects & other
<i>Culex interrogator</i>		Insects & other
<i>Culex pipiens</i>		Insects & other
<i>Culex quinquefasciatus</i>		Insects & other
<i>Culex reevesi</i>		Insects & other
<i>Culex restuans</i>		Insects & other
<i>Culex salinarius</i>		Insects & other
<i>Culex stigmatosoma</i>		Insects & other
<i>Culex tarsalis</i>		Insects & other
<i>Culex territans</i>		Insects & other
<i>Culex thriambus</i>		Insects & other
<i>Culiseta impatiens</i>		Insects & other
<i>Culiseta incidens</i>		Insects & other
<i>Culiseta inornata</i>		Insects & other
<i>Culiseta minnesotae</i>		Insects & other
<i>Culiseta morsitans</i>		Insects & other
<i>Culiseta particeps</i>		Insects & other
<i>Culoptila cantha</i>		Insects & other
<i>Culoptila kimminsi</i>		Insects & other
<i>Culoptila moselyi</i>		Insects & other
<i>Culoptila thoracica</i>		Insects & other
<i>Cultus aestivalis</i>		Insects & other
<i>Cultus pilatus</i>		Insects & other
<i>Cultus tostonus</i>	Toston Springfly	Insects & other
<i>Curicta pronotata</i>		Insects & other
<i>Cybister ellipticus</i>		Insects & other
<i>Cybister explanatus</i>		Insects & other
<i>Cyclothyas siskiyouensis</i>		Insects & other
<i>Cygnus buccinator</i>	Trumpeter Swan	Birds
<i>Cygnus columbianus</i>	Tundra Swan	Birds
<i>Cylloepus abnormis</i>		Insects & other
<i>Cylloepus parkeri</i>		Insects & other
<i>Cymbiodyta arizonica</i>		Insects & other
<i>Cymbiodyta columbiana</i>		Insects & other
<i>Cymbiodyta dorsalis</i>		Insects & other
<i>Cymbiodyta fraterculus</i>		Insects & other
<i>Cymbiodyta howdeni</i>		Insects & other
<i>Cymbiodyta imbellis</i>		Insects & other
<i>Cymbiodyta leechi</i>		Insects & other
<i>Cymbiodyta minima</i>		Insects & other
<i>Cymbiodyta occidentalis</i>		Insects & other

<i>Cymbiodyta pacifica</i>		Insects & other
<i>Cymbiodyta pseudopacifica</i>		Insects & other
<i>Cymbiodyta puella</i>		Insects & other
<i>Cymbiodyta punctatostriata</i>		Insects & other
<i>Cymbiodyta seriata</i>		Insects & other
<i>Cyperus acuminatus</i>	Short-point Flatsedge	Plants
<i>Cyperus bipartitus</i>	Shining Flatsedge	Plants
<i>Cyperus erythrorhizos</i>	Red-root Flatsedge	Plants
<i>Cyperus flavescens</i>	NA	Plants
<i>Cyperus fuscus</i>	NA	Plants
<i>Cyperus involucratus</i>	NA	Plants
<i>Cyperus iria</i>	NA	Plants
<i>Cyperus squarrosus</i>	Awned Cyperus	Plants
<i>Cyphomella gibbera</i>		Insects & other
<i>Cyphon arcuatus</i>		Insects & other
<i>Cyphon brevicollis</i>		Insects & other
<i>Cyphon exiguus</i>		Insects & other
<i>Cyphon johni</i>		Insects & other
<i>Cyphon spinulosus</i>		Insects & other
<i>Cyphon variabilis</i>		Insects & other
<i>Cyprinodon macularius</i>	Desert pupfish	Fishes
<i>Cyprinodon nevadensis amargosae</i>	Amargosa River pupfish	Fishes
<i>Cyprinodon nevadensis calidae</i>	Tecopa Pupfish	Fishes
<i>Cyprinodon nevadensis nevadensis</i>	Saratoga Springs pupfish	Fishes
<i>Cyprinodon nevadensis shoshone</i>	Shoshone pupfish	Fishes
<i>Cyprinodon radiosus</i>	Owens pupfish	Fishes
<i>Cyprinodon salinus milleri</i>	Cottonball Marsh pupfish	Fishes
<i>Cyprinodon salinus salinus</i>	Salt Creek pupfish	Fishes
<i>Cyripedium californicum</i>	California Lady's-slipper	Plants
<i>Cypseloides niger</i>	Black Swift	Birds
<i>Cyzicus californicus</i>	California Clam Shrimp	Crustaceans
<i>Cyzicus elongatus</i>	Elongate Clam Shrimp	Crustaceans
<i>Cyzicus mexicanus</i>	Mexican Clam Shrimp	Crustaceans
<i>Cyzicus setosa</i>	Bristletail Clam Shrimp	Crustaceans
<i>Damasonium californicum</i>		Plants
<i>Darlingtonia californica</i>	California Pitcherplant	Plants
<i>Darmera peltata</i>	Umbrella Plant	Plants
<i>Datisca glomerata</i>	Durango Root	Plants
<i>Delphinium uliginosum</i>	Swamp Larkspur	Plants

<i>Deltamysis homquistae</i>		Crustaceans
<i>Demeijerea brachialis</i>		Insects & other
<i>Dendrocygna bicolor</i>	Fulvous Whistling-Duck	Birds
<i>Derotanypus aclines</i>		Insects & other
<i>Desmona bethula</i>	Amphibious Caddisfly	Insects & other
<i>Desmona mono</i>	A Caddisfly	Insects & other
<i>Desmopachria dispersa</i>		Insects & other
<i>Desmopachria latissima</i>		Insects & other
<i>Desmopachria mexicana</i>		Insects & other
<i>Desmopachria portmanni</i>		Insects & other
<i>Despaxia augusta</i>	Smooth Needlefly	Insects & other
<i>Deuterophlebia coloradensis</i>		Insects & other
<i>Deuterophlebia inyoensis</i>		Insects & other
<i>Deuterophlebia nielsoni</i>		Insects & other
<i>Deuterophlebia personata</i>		Insects & other
<i>Deuterophlebia shasta</i>	A Mountain Midge	Insects & other
<i>Diamesa aberrata</i>		Insects & other
<i>Diamesa ancysta</i>		Insects & other
<i>Diamesa chorea</i>		Insects & other
<i>Diamesa davisi</i>		Insects & other
<i>Diamesa haydaki</i>		Insects & other
<i>Diamesa heteropus</i>		Insects & other
<i>Diamesa japonica</i>		Insects & other
<i>Diamesa sonorae</i>		Insects & other
<i>Diamesa spinacies</i>		Insects & other
<i>Dicamptodon ensatus</i>	California Giant Salamander	Herps
<i>Dicamptodon tenebrosus</i>	Pacific Giant Salamander	Herps
<i>Dicosmoecus atripes</i>	A Caddisfly	Insects & other
<i>Dicosmoecus gilvipes</i>	A Caddisfly	Insects & other
<i>Dicosmoecus pallicornis</i>	A Caddisfly	Insects & other
<i>Dicrotendipes adnilus</i>		Insects & other
<i>Dicrotendipes aethiops</i>		Insects & other
<i>Dicrotendipes californicus</i>		Insects & other
<i>Dicrotendipes crypticus</i>		Insects & other
<i>Dicrotendipes fumidus</i>		Insects & other
<i>Dicrotendipes milleri</i>		Insects & other
<i>Dicrotendipes modestus</i>		Insects & other
<i>Dicrotendipes nervosus</i>		Insects & other
<i>Dicrotendipes tritomus</i>		Insects & other
<i>Dineutus solitarius</i>		Insects & other
<i>Dineutus sublineatus</i>		Insects & other

<i>Dipheter hageni</i>	Hagen's Small Minnow Mayfly	Insects & other
<i>Diplectrona californica</i>	California Diplectronan Caddisfly	Insects & other
<i>Distichlis littoralis</i>	NA	Plants
<i>Diura knowltoni</i>	Nearctic Springfly	Insects & other
<i>Doddsia occidentalis</i>	Western Willowfly	Insects & other
<i>Doithrix barberi</i>		Insects & other
<i>Doithrix ensifer</i>		Insects & other
<i>Dolophilodes aequalis</i>	A Caddisfly	Insects & other
<i>Dolophilodes andora</i>	A Caddisfly	Insects & other
<i>Dolophilodes dorcus</i>	A Caddisfly	Insects & other
<i>Dolophilodes novusamericanus</i>	A Caddisfly	Insects & other
<i>Dolophilodes pallidipes</i>	A Caddisfly	Insects & other
<i>Doroneuria baumanni</i>	Cascades Stone	Insects & other
<i>Downingia bacigalupii</i>	Bacigalup's Downingia	Plants
<i>Downingia bella</i>	Hoover's Downingia	Plants
<i>Downingia bicornuta</i>	NA	Plants
<i>Downingia concolor</i>	NA	Plants
<i>Downingia cuspidata</i>	Toothed Calicoflower	Plants
<i>Downingia elegans</i>	NA	Plants
<i>Downingia insignis</i>	Parti-color Downingia	Plants
<i>Downingia laeta</i>	Great Basin Downingia	Plants
<i>Downingia montana</i>	Sierra Downingia	Plants
<i>Downingia ornatissima</i>	NA	Plants
<i>Downingia pulchella</i>	Flat-face Downingia	Plants
<i>Downingia pulcherrima</i>		Plants
<i>Downingia pusilla</i>	Dwarf Downingia	Plants
<i>Downingia willamettensis</i>		Plants
<i>Downingia yina</i>	NA	Plants
<i>Drosera anglica</i>	English Sundew	Plants
<i>Drosera rotundifolia</i>	NA	Plants
<i>Drunella coloradensis</i>	A Mayfly	Insects & other
<i>Drunella doddsii</i>	A Mayfly	Insects & other
<i>Drunella flavilinea</i>	A Mayfly	Insects & other
<i>Drunella grandis</i>	A Mayfly	Insects & other
<i>Drunella pelosa</i>	A Mayfly	Insects & other
<i>Drunella spinifera</i>	A Mayfly	Insects & other
<i>Drymocallis cuneifolia ewanii</i>		Plants
<i>Dryops arizonensis</i>		Insects & other
<i>Dubiraphia brunnescens</i>	Brownish Dubiraphian Riffle Beetle	Insects & other
<i>Dubiraphia giulianii</i>	Giuliani's Dubiraphian Riffle Beetle	Insects & other
<i>Dulichium arundinaceum</i>	NA	Plants

<i>Dumontia oregonensis</i>	A Water Flea	Crustaceans
<i>Dysmicohermes disjunctus</i>		Insects & other
<i>Dysmicohermes ingens</i>		Insects & other
<i>Dythemis fugax</i>		Insects & other
<i>Dythemis nigrescens</i>		Insects & other
<i>Dythemis velox</i>		Insects & other
<i>Dytiscus cordieri</i>		Insects & other
<i>Dytiscus dauricus</i>		Insects & other
<i>Dytiscus habilis</i>		Insects & other
<i>Dytiscus hatchi</i>		Insects & other
<i>Dytiscus hybridus</i>		Insects & other
<i>Dytiscus marginicollis</i>		Insects & other
<i>Ecclisocosmoecus scylla</i>		Insects & other
<i>Ecclisomyia bilera</i>	King's Creek Ecclisomyian Caddisfly	Insects & other
<i>Ecclisomyia conspersa</i>	A Caddisfly	Insects & other
<i>Ecclisomyia maculosa</i>	A Caddisfly	Insects & other
<i>Ecdyonurus criddlei</i>	A Mayfly	Insects & other
<i>Ecdyonurus simplicoides</i>		Insects & other
<i>Echinochloa oryzoides</i>	NA	Plants
<i>Echinodorus berteroi</i>	Upright Burhead	Plants
<i>Edmundsius agilis</i>	A Mayfly	Insects & other
<i>Egretta thula</i>	Snowy Egret	Birds
<i>Elatine brachysperma</i>	Shortseed Waterwort	Plants
<i>Elatine californica</i>	California Waterwort	Plants
<i>Elatine heterandra</i>	Mosquito Waterwort	Plants
<i>Elatine rubella</i>	Southwestern Waterwort	Plants
<i>Eleocharis acicularis acicularis</i>	Least Spikerush	Plants
<i>Eleocharis acicularis gracilescens</i>	Least Spikerush	Plants
<i>Eleocharis acicularis occidentalis</i>		Plants
<i>Eleocharis atropurpurea</i>	Purple Spikerush	Plants
<i>Eleocharis bella</i>	Delicate Spikerush	Plants
<i>Eleocharis bernardina</i>		Plants
<i>Eleocharis bolanderi</i>	Bolander's Spikerush	Plants
<i>Eleocharis coloradoensis</i>		Plants
<i>Eleocharis decumbens</i>	Decumbent Spikerush	Plants
<i>Eleocharis engelmannii detonsa</i>		Plants
<i>Eleocharis engelmannii engelmannii</i>	Engelmann's Spikerush	Plants
<i>Eleocharis flavescens flavescens</i>	Pale Spikerush	Plants
<i>Eleocharis geniculata</i>	Capitate Spikerush	Plants



<i>Eleocharis macrostachya</i>	Creeping Spikerush	Plants
<i>Eleocharis montevidensis</i>	Sand Spikerush	Plants
<i>Eleocharis obtusa</i>	Blunt Spikerush	Plants
<i>Eleocharis ovata</i>		Plants
<i>Eleocharis palustris</i>	Creeping Spikerush	Plants
<i>Eleocharis parishii</i>	Parish's Spikerush	Plants
<i>Eleocharis parvula</i>	Small Spikerush	Plants
<i>Eleocharis quadrangulata</i>	NA	Plants
<i>Eleocharis quinqueflora</i>	Few-flower Spikerush	Plants
<i>Eleocharis radicans</i>	Rooted Spikerush	Plants
<i>Eleocharis rostellata</i>	Beaked Spikerush	Plants
<i>Eleocharis suksdorfiana</i>	NA	Plants
<i>Eleocharis torticulmis</i>	Twisted Spikerush	Plants
<i>Elodea bifoliata</i>	NA	Plants
<i>Elodea canadensis</i>	Broad Waterweed	Plants
<i>Elodea nuttallii</i>	Nuttall's Waterweed	Plants
<i>Elodes angusta</i>		Insects & other
<i>Elodes apicalis</i>		Insects & other
<i>Elodes aquatica</i>		Insects & other
<i>Elodes emarginata</i>		Insects & other
<i>Elodes impressa</i>		Insects & other
<i>Elodes nunenmacheri</i>		Insects & other
<i>Empidonax traillii</i>	Willow Flycatcher	Birds
<i>Empidonax traillii adastus</i>	A Willow Flycatcher	Birds
<i>Empidonax traillii brewsteri</i>	Willow Flycatcher	Birds
<i>Empidonax traillii extimus</i>	Southwestern Willow Flycatcher	Birds
<i>Enallagma anna</i>	River Bluet	Insects & other
<i>Enallagma basidens</i>	Double-striped Bluet	Insects & other
<i>Enallagma boreale</i>	Boreal Bluet	Insects & other
<i>Enallagma carunculatum</i>	Tule Bluet	Insects & other
<i>Enallagma civile</i>	Familiar Bluet	Insects & other
<i>Enallagma clausum</i>	Alkali Bluet	Insects & other
<i>Enallagma cyathigerum</i>		Insects & other
<i>Enallagma praevarum</i>	Arroyo Bluet	Insects & other
<i>Enallagma semicirculare</i>		Insects & other
<i>Endochironomus nigricans</i>		Insects & other
<i>Endotribelos hesperium</i>		Insects & other
<i>Enochrus aridus</i>		Insects & other
<i>Enochrus californicus</i>		Insects & other
<i>Enochrus carinatus</i>		Insects & other
<i>Enochrus cristatus</i>		Insects & other

<i>Enochrus cuspidatus</i>		Insects & other
<i>Enochrus diffusus</i>		Insects & other
<i>Enochrus fimbriatus</i>		Insects & other
<i>Enochrus hamiltoni</i>		Insects & other
<i>Enochrus ochraceus</i>		Insects & other
<i>Enochrus piceus</i>		Insects & other
<i>Enochrus pygmaeus</i>		Insects & other
<i>Entosphenus folletti</i>	Northern California brook lamprey	Fishes
<i>Entosphenus similis</i>	Klamath River lamprey	Fishes
<i>Entosphenus tridentata</i> ssp. 1	Pacific lamprey	Fishes
<i>Entosphenus tridentata</i> ssp. 2	Goose Lake lamprey	Fishes
<i>Eobrachycentrus gelidae</i>		Insects & other
<i>Eocosmoecus frontalis</i>		Insects & other
<i>Eocycticus digueti</i>	Straightbacked Clam Shrimp	Crustaceans
<i>Epeorus albertae</i>	A Mayfly	Insects & other
<i>Epeorus deceptivus</i>	A Mayfly	Insects & other
<i>Epeorus dulciana</i>	A Mayfly	Insects & other
<i>Epeorus grandis</i>	A Mayfly	Insects & other
<i>Epeorus hesperus</i>	A Mayfly	Insects & other
<i>Epeorus lagunitas</i>	A Mayfly	Insects & other
<i>Epeorus longimanus</i>	A Mayfly	Insects & other
<i>Epeorus margarita</i>	A Mayfly	Insects & other
<i>Epeorus permagnus</i>		Insects & other
<i>Ephemera simulans</i>		Insects & other
<i>Ephemerella alleni</i>		Insects & other
<i>Ephemerella aurivillii</i>	A Mayfly	Insects & other
<i>Ephemerella dorothea dorothea</i>	A Mayfly	Insects & other
<i>Ephemerella excrucians</i>	A Mayfly	Insects & other
<i>Ephemerella maculata</i>	A Mayfly	Insects & other
<i>Ephemerella tibialis</i>	A Mayfly	Insects & other
<i>Ephemerella velmae</i>	A Mayfly	Insects & other
<i>Ephemerella verruca</i>		Insects & other
<i>Ephoron album</i>	A Mayfly	Insects & other
<i>Epilobium campestre</i>	NA	Plants
<i>Epilobium cleistogamum</i>	Cleistogamous Spike-primrose	Plants
<i>Epilobium hallianum</i>		Plants
<i>Epilobium oregonum</i>	Oregon Willowherb	Plants
<i>Epilobium oregonense</i>	Oregon Willow-herb	Plants
<i>Epilobium palustre</i>	Marsh Willowherb	Plants
<i>Epipactis gigantea</i>	Giant Helleborine	Plants
<i>Epitheca canis</i>	Beaverpond Baskettail	Insects & other

<i>Epitheca spinigera</i>	Spiny Baskettail	Insects & other
<i>Equisetum palustre</i>	NA	Plants
<i>Eragrostis hypnoides</i>	Teal Lovegrass	Plants
<i>Erebaxonopsis nearctica</i>		Insects & other
<i>Eremopyrgus eganensis</i>		Mollusks
<i>Eretes sticticus</i>		Insects & other
<i>Eretmoptera browni</i>		Insects & other
<i>Erigeron coulteri</i>	Coulter's Fleabane	Plants
<i>Eriophorum crinigerum</i>	Fringed Cotton-grass	Plants
<i>Eriophorum gracile gracile</i>	Slender Cotton-grass	Plants
<i>Erpetogomphus compositus</i>	White-belted Ringtail	Insects & other
<i>Erpetogomphus crotalinus</i>		Insects & other
<i>Erpetogomphus designatus</i>		Insects & other
<i>Erpetogomphus lampropeltis lampropeltis</i>	Serpent Ringtail	Insects & other
<i>Eryngium alismifolium</i>	Inland Coyote-thistle	Plants
<i>Eryngium aristulatum aristulatum</i>	California Eryngo	Plants
<i>Eryngium aristulatum hooveri</i>	Hoover's Coyote-thistle	Plants
<i>Eryngium aristulatum parishii</i>	San Diego Button Celery	Plants
<i>Eryngium articulatum</i>	Jointed Coyote-thistle	Plants
<i>Eryngium castrense</i>	Great Valley Eryngo	Plants
<i>Eryngium constancei</i>	Loch Lomond Button-celery	Plants
<i>Eryngium jepsonii</i>	NA	Plants
<i>Eryngium mathiasiae</i>	Mathias' Coyote-thistle	Plants
<i>Eryngium pinnatisectum</i>	Tuolumne Coyote-thistle	Plants
<i>Eryngium racemosum</i>	Delta Coyote-thistle	Plants
<i>Eryngium spinosepalum</i>	Spiny Sepaled Coyote-thistle	Plants
<i>Eryngium vaseyi vallicola</i>		Plants
<i>Eryngium vaseyi vaseyi</i>	Vasey's Coyote-thistle	Plants
<i>Erythemis collocata</i>	Western Pondhawk	Insects & other
<i>Erythemis simplicicollis</i>		Insects & other
<i>Erythemis vesiculosa</i>		Insects & other
<i>Erythrodiplax basifusca</i>		Insects & other
<i>Erythrodiplax funerea</i>		Insects & other
<i>Eubbranchipus bundyi</i>	Knobbedlip Fairy Shrimp	Crustaceans
<i>Eubbranchipus oregonus</i>	Oregon Fairy Shrimp	Crustaceans
<i>Eubbranchipus serratus</i>	Ethologist Fairy Shrimp	Crustaceans
<i>Eubrianax edwardsii</i>		Insects & other
<i>Eucapnopsis brevicauda</i>	Shorttailed Snowfly	Insects & other
<i>Eucorethra underwoodi</i>		Insects & other
<i>Eucyclogobius newberryi</i>	Tidewater goby	Fishes

<i>Eukiefferiella claripennis</i>		Insects & other
<i>Eukiefferiella coerulescens</i>		Insects & other
<i>Eukiefferiella cyanea</i>		Insects & other
<i>Eukiefferiella devonica</i>		Insects & other
<i>Eukiefferiella ilkleyensis</i>		Insects & other
<i>Eulimnadia diversa</i>	Diversity Clam Shrimp	Crustaceans
<i>Eulimnadia texana</i>	Texan Clam Shrimp	Crustaceans
<i>Eulimnichus analis</i>		Insects & other
<i>Eulimnichus californicus</i>		Insects & other
<i>Eulimnichus evanescens</i>		Insects & other
<i>Eulimnichus montanus</i>		Insects & other
<i>Eulimnichus perpolitus</i>		Insects & other
<i>Euphorbia hooveri</i>	NA	Plants
<i>Euryhapsis annuliventris</i>		Insects & other
<i>Euryhapsis illoba</i>		Insects & other
<i>Eurylophella lodi</i>	A Mayfly	Insects & other
<i>Eustoma exaltatum</i>	NA	Plants
<i>Euthamia occidentalis</i>	Western Fragrant Goldenrod	Plants
<i>Exopalaemon carinicauda</i>		Crustaceans
<i>Fallceon eatoni</i>	A Mayfly	Insects & other
<i>Fallceon quilleri</i>	A Mayfly	Insects & other
<i>Fallceon sonora</i>	A Mayfly	Insects & other
<i>Fallceon thermophilos</i>	A Mayfly	Insects & other
<i>Farula davisi</i>	Green Springs Mountain Farulan Caddisfly	Insects & other
<i>Farula geyseri</i>	A Farulan Caddisfly	Insects & other
<i>Farula honeyi</i>	A Farulan Caddisfly	Insects & other
<i>Farula jewetti</i>		Insects & other
<i>Farula malkini</i>		Insects & other
<i>Farula moweri</i>	A Caddisfly	Insects & other
<i>Farula petersoni</i>	A Farulan Caddisfly	Insects & other
<i>Farula praelonga</i>	Long-tailed Caddisfly	Insects & other
<i>Farula raineri</i>		Insects & other
<i>Farula reapi</i>		Insects & other
<i>Farula wigginsi</i>		Insects & other
<i>Ferrissia fragilis</i>	Fragile Ancyloid	Mollusks
<i>Ferrissia rivularis</i>	Creeping Ancyloid	Mollusks
<i>Ferrissia walkeri</i>	Cloche Ancyloid	Mollusks
<i>Ficopotamus enigmaticus</i>		Insects & other
<i>Fimbristylis autumnalis</i>	NA	Plants
<i>Fimbristylis thermalis</i>	Hot Springs Fimbry	Plants
<i>Floerkea proserpinacoides</i>	False Mermaidweed	Plants

<i>Fluminicola ahjumawi</i>	Ahjumawi pebblesnail	Mollusks
<i>Fluminicola anserinus</i>	Goose Valley pebblesnail	Mollusks
<i>Fluminicola caballensis</i>	Horse Creek pebblesnail	Mollusks
<i>Fluminicola erosus</i>	Smokey Charley pebblesnail	Mollusks
<i>Fluminicola favillaceus</i>	Ash Valley pebblesnail	Mollusks
<i>Fluminicola fremonti</i>	Fremont pebblesnail	Mollusks
<i>Fluminicola lunsfordensis</i>	Lunsford pebblesnail	Mollusks
<i>Fluminicola modoci</i>	Modoc Pebblesnail	Mollusks
<i>Fluminicola multifarius</i>	Shasta pebblesnail	Mollusks
<i>Fluminicola neritoides</i>	Willow Creek pebblesnail	Mollusks
<i>Fluminicola potemicus</i>	Potem Creek pebblesnail	Mollusks
<i>Fluminicola scopulinus</i>	Castle Creek pebblesnail	Mollusks
<i>Fluminicola seminalis</i>	Nugget Pebblesnail	Mollusks
<i>Fluminicola turbiniformis</i>	Turban Pebblesnail	Mollusks
<i>Fluminicola umbilicatus</i>	Hat Creek pebblesnail	Mollusks
<i>Fluminicola warnerensis</i>	Warner pebblesnail	Mollusks
<i>Frankenia palmeri</i>	Palmer's Frankenia	Plants
<i>Frisonia picticeps</i>	Painted Springfly	Insects & other
<i>Fulica americana</i>	American Coot	Birds
<i>Fundulus parvipinnis</i>	California killifish	Fishes
<i>Galba bulimoides</i>	Prairie Fossaria	Mollusks
<i>Galba cubensis</i>	Carib Fossaria	Mollusks
<i>Galba modicella</i>	Rock Fossaria	Mollusks
<i>Galba obrussa</i>	Golden Fossaria	Mollusks
<i>Galba perplexa</i>	A Freshwater Snail	Mollusks
<i>Galba sonomaensis</i>	Sonoma Fossaria	Mollusks
<i>Galba techella</i>	A Freshwater Snail	Mollusks
<i>Galium trifidum</i>	Small Bedstraw	Plants
<i>Gallinago delicata</i>	Wilson's Snipe	Birds
<i>Gallinula chloropus</i>	Common Moorhen	Birds
<i>Gammarus lacustris</i>		Crustaceans
<i>Gasterosteus aculeatus aculeatus</i>	Coastal threespine stickleback	Fishes
<i>Gasterosteus aculeatus microcephalus</i>	Inland threespine stickleback	Fishes
<i>Gasterosteus aculeatus ssp. 1</i>	Shay Creek stickleback	Fishes
<i>Gasterosteus aculeatus williamsoni</i>	Unarmored threespine stickleback	Fishes
<i>Gelastocoris oculatus</i>		Insects & other
<i>Gelastocoris rotundatus</i>		Insects & other
<i>Gelochelidon nilotica vanrossemi</i>	Gull-billed Tern	Birds
<i>Gentiana calycosa</i>	Explorer's Gentian	Plants

<i>Gentiana sceptrum</i>	Pacific Gentian	Plants
<i>Gentiana setigera</i>	Elegant Gentian	Plants
<i>Gentianella amarella acuta</i>	Autumn Dwarf Gentian	Plants
<i>Gentianopsis holopetala</i>	Sierra Gentian	Plants
<i>Gentianopsis simplex</i>	One-flower Gentian	Plants
<i>Georissus californicus</i>		Insects & other
<i>Georthocladus platystylus</i>		Insects & other
<i>Georthocladus wirthi</i>		Insects & other
<i>Geothelpusa dehaani</i>		Crustaceans
<i>Geothlypis trichas sinuosa</i>	Saltmarsh Common Yellowthroat	Birds
<i>Geothlypis trichas trichas</i>	Common Yellowthroat	Birds
<i>Gerris comatus</i>		Insects & other
<i>Gerris gillettei</i>		Insects & other
<i>Gerris incognitis</i>		Insects & other
<i>Gerris incurvatus</i>		Insects & other
<i>Gerris insperatus</i>		Insects & other
<i>Gigantodax adleri</i>		Insects & other
<i>Gila coerulea</i>	Blue chub	Fishes
<i>Gila crassicauda</i>	Thicktail Chub	Fishes
<i>Gila elegans</i>	Bonytail	Fishes
<i>Gila orcutti</i>	Arroyo chub	Fishes
<i>Glinus radiatus</i>	NA	Plants
<i>Glossosoma alascense</i>	A Caddisfly	Insects & other
<i>Glossosoma bruna</i>	A Caddisfly	Insects & other
<i>Glossosoma califica</i>	A Caddisfly	Insects & other
<i>Glossosoma excitum</i>		Insects & other
<i>Glossosoma mereca</i>	A Caddisfly	Insects & other
<i>Glossosoma montanum</i>		Insects & other
<i>Glossosoma oregonense</i>	A Caddisfly	Insects & other
<i>Glossosoma penitum</i>	A Caddisfly	Insects & other
<i>Glossosoma pternum</i>	A Caddisfly	Insects & other
<i>Glossosoma pyroxum</i>		Insects & other
<i>Glossosoma schuhi</i>		Insects & other
<i>Glossosoma sequoia</i>	A Caddisfly	Insects & other
<i>Glossosoma traviatum</i>		Insects & other
<i>Glossosoma velonum</i>		Insects & other
<i>Glossosoma ventrale</i>		Insects & other
<i>Glossosoma verdonum</i>	A Caddisfly	Insects & other
<i>Glossosoma wenatchee</i>		Insects & other
<i>Glyceria borealis</i>	Small Floating Mannagrass	Plants
<i>Glyceria elata</i>	Tall Mannagrass	Plants

<i>Glyceria fluitans</i>	NA	Plants
<i>Glyceria grandis</i>	American Mannagrass	Plants
<i>Glyceria leptostachya</i>	Slim-head Mannagrass	Plants
<i>Glyceria striata</i> var. <i>stricta</i>	Fowl Mannagrass	Plants
<i>Glyphopsyche irrorata</i>	A Caddisfly	Insects & other
<i>Glyptotendipes barbipes</i>		Insects & other
<i>Glyptotendipes lobiferus</i>		Insects & other
<i>Glyptotendipes paripes</i>		Insects & other
<i>Gnorimosphaeroma insulare</i>	An Isopod	Crustaceans
<i>Gnorimosphaeroma noblei</i>	An Isopod	Crustaceans
<i>Goeldichironomus amazonicus</i>		Insects & other
<i>Goeldichironomus holoprasinus</i>		Insects & other
<i>Goera archaon</i>	A Caddisfly	Insects & other
<i>Goeracea genota</i>		Insects & other
<i>Goeracea oregona</i>	Sagehen Creek Goeracean Caddisfly	Insects & other
<i>Gomphus kurilis</i>	Pacific Clubtail	Insects & other
<i>Gomphus lynnae</i>		Insects & other
<i>Gonidea angulata</i>	Western Ridged Mussel	Mollusks
<i>Grammotaulius betteni</i>		Insects & other
<i>Graphoderus liberus</i>		Insects & other
<i>Graphoderus occidentalis</i>		Insects & other
<i>Graphoderus perplexus</i>		Insects & other
<i>Graptocorixa abdominalis</i>		Insects & other
<i>Graptocorixa californica</i>		Insects & other
<i>Graptocorixa gerhardi</i>		Insects & other
<i>Graptocorixa serrulata</i>		Insects & other
<i>Graptocorixa uhleri</i>		Insects & other
<i>Graptocorixa uhlerioidea</i>	A Water Boatman	Insects & other
<i>Gratiola ebracteata</i>	Bractless Hedge-hyssop	Plants
<i>Gratiola heterosepala</i>	Boggs Lake Hedge-hyssop	Plants
<i>Gratiola neglecta</i>	Clammy Hedge-hyssop	Plants
<i>Greneria humeralis</i>		Insects & other
<i>Grus canadensis</i>	Sandhill Crane	Birds
<i>Grus canadensis canadensis</i>	Lesser Sandhill Crane	Birds
<i>Grus canadensis tabida</i>	Greater Sandhill Crane	Birds
<i>Gumaga griseola</i>	A Bushtailed Caddisfly	Insects & other
<i>Gumaga nigricula</i>	A Bushtailed Caddisfly	Insects & other
<i>Gymnochthebius falli</i>		Insects & other
<i>Gymnochthebius fossatus</i>		Insects & other
<i>Gymnochthebius laevipennis</i>		Insects & other
<i>Gyraulus circumstriatus</i>	Disc Gyro	Mollusks

<i>Gyraulus crista</i>	Star Gyro	Mollusks
<i>Gyraulus deflectus</i>		Mollusks
<i>Gyraulus parvus</i>	Ash Gyro	Mollusks
<i>Gyraulus vermicularis</i>	Pacific Coast Gyraulus	Mollusks
<i>Gyretes sinuatus</i>		Insects & other
<i>Gyretes torosus</i>		Insects & other
<i>Gyrinus affinis</i>		Insects & other
<i>Gyrinus bifarius</i>		Insects & other
<i>Gyrinus confinis</i>		Insects & other
<i>Gyrinus consobrinus</i>		Insects & other
<i>Gyrinus latilimbus</i>		Insects & other
<i>Gyrinus maculiventris</i>		Insects & other
<i>Gyrinus parvus</i>		Insects & other
<i>Gyrinus picipes</i>		Insects & other
<i>Gyrinus pleuralis</i>		Insects & other
<i>Gyrinus plicifer</i>		Insects & other
<i>Gyrinus rugosus</i>		Insects & other
<i>Halesochila taylori</i>		Insects & other
<i>Haliaeetus leucocephalus</i>	Bald Eagle	Birds
<i>Haliaeetus leucocephalus</i> pop. 4	Bald Eagle - Wintering Population	Birds
<i>Haliplus concolor</i>		Insects & other
<i>Haliplus cylindricus</i>		Insects & other
<i>Haliplus distinctus</i>		Insects & other
<i>Haliplus dorsomaculatus</i>		Insects & other
<i>Haliplus eremicus</i>		Insects & other
<i>Haliplus gracilis</i>		Insects & other
<i>Haliplus leechi</i>		Insects & other
<i>Haliplus longulus</i>		Insects & other
<i>Haliplus mimeticus</i>		Insects & other
<i>Haliplus robertsi</i>		Insects & other
<i>Haliplus rugosus</i>		Insects & other
<i>Haliplus subguttatus</i>		Insects & other
<i>Haliplus tumidus</i>		Insects & other
<i>Halobates sericeus</i>		Insects & other
<i>Haploperla chilnualna</i>	Yosemite Sallfly	Insects & other
<i>Harnischia curtilamellata</i>		Insects & other
<i>Hastingsia alba</i>	White Rushlily	Plants
<i>Hayesomyia senata</i>		Insects & other
<i>Hebrus buenoi</i>		Insects & other
<i>Hebrus hubbardi</i>		Insects & other
<i>Hebrus longivillus</i>		Insects & other



Hebrus major		Insects & other
Hebrus obscurus		Insects & other
Hebrus sobrinus		Insects & other
Helenium autumnale	Common Sneezeweed	Plants
Helenium bigelovii	Bigelow's Sneezeweed	Plants
Helenium bolanderi	Coast Sneezeweed	Plants
Helenium puberulum	Rosilla	Plants
Helichus columbianus		Insects & other
Helichus striatus		Insects & other
Helichus suturalis		Insects & other
Helichus triangularis		Insects & other
Helicopsyche borealis	A Caddisfly	Insects & other
Helicopsyche mexicana	A Caddisfly	Insects & other
Helicopsyche pietia		Insects & other
Helicopsyche sinuata	A Caddisfly	Insects & other
Helisoma anceps	Two-ridge Rams-horn	Mollusks
Helisoma minus	A Freshwater Snail	Mollusks
Helisoma newberryi newberryi	Great Basin Rams-horn	Mollusks
Helisoma subcrenatum		Mollusks
Helochares normatus		Insects & other
Helodon beardi		Insects & other
Helodon chaos		Insects & other
Helodon diadelphus		Insects & other
Helodon mcreadiei		Insects & other
Helodon newmani		Insects & other
Helodon onchyodactylus		Insects & other
Helodon protus		Insects & other
Helodon susanae		Insects & other
Helodon trochus		Insects & other
Helophorus alternatus		Insects & other
Helophorus auricollis		Insects & other
Helophorus californicus		Insects & other
Helophorus columbianus		Insects & other
Helophorus cuspifer		Insects & other
Helophorus eclecticus		Insects & other
Helophorus fenderi		Insects & other
Helophorus fortis		Insects & other
Helophorus hatchi		Insects & other
Helophorus lacustris		Insects & other
Helophorus lecontei		Insects & other
Helophorus ledatus		Insects & other

<i>Helophorus leechi</i>		Insects & other
<i>Helophorus linearis</i>		Insects & other
<i>Helophorus linearoides</i>		Insects & other
<i>Helophorus nitiduloides</i>		Insects & other
<i>Helophorus nitidulus</i>		Insects & other
<i>Helophorus oblongus</i>		Insects & other
<i>Helophorus oregonus</i>		Insects & other
<i>Helophorus orientalis</i>		Insects & other
<i>Helophorus parasplendidus</i>		Insects & other
<i>Helophorus robertsi</i>		Insects & other
<i>Helophorus schuhi</i>		Insects & other
<i>Helophorus tuberculatus</i>		Insects & other
<i>Hemiosus exilis</i>		Insects & other
<i>Heptagenia adaequata</i>		Insects & other
<i>Heptagenia elegantula</i>	A Mayfly	Insects & other
<i>Heptagenia solitaria</i>	A Mayfly	Insects & other
<i>Herthania compta</i>		Insects & other
<i>Herthania concinna</i>		Insects & other
<i>Hesperagrion heterodoxum</i>		Insects & other
<i>Hesperocorixa atopodonta</i>		Insects & other
<i>Hesperocorixa laevigata</i>		Insects & other
<i>Hesperocorixa vulgaris</i>		Insects & other
<i>Hesperoperla hoguei</i>	Banded Stone	Insects & other
<i>Hesperoperla pacifica</i>	Golden Stone	Insects & other
<i>Hesperophylax alaskensis</i>	A Caddisfly	Insects & other
<i>Hesperophylax consimilis</i>		Insects & other
<i>Hesperophylax designatus</i>	A Caddisfly	Insects & other
<i>Hesperophylax magnus</i>	A Caddisfly	Insects & other
<i>Hesperophylax minutus</i>	A Caddisfly	Insects & other
<i>Hesperophylax occidentalis</i>	A Caddisfly	Insects & other
<i>Hetaerina americana</i>	American Rubyspot	Insects & other
<i>Hetaerina vulnerata</i>		Insects & other
<i>Heteranthera limosa</i>	NA	Plants
<i>Heterelmis glabra</i>		Insects & other
<i>Heterelmis obesa</i>		Insects & other
<i>Heterelmis stephani</i>		Insects & other
<i>Heterlimnius corpulentus</i>		Insects & other
<i>Heterlimnius koebelei</i>		Insects & other
<i>Heteroceris brunneus</i>		Insects & other
<i>Heteroceris gemmatus</i>		Insects & other
<i>Heteroceris gnatho</i>		Insects & other

<i>Heterocerus mexicanus</i>		Insects & other
<i>Heterocerus mollinus</i>		Insects & other
<i>Heterocerus parrotus</i>		Insects & other
<i>Heterocerus sinuosus</i>		Insects & other
<i>Heterocerus tristis</i>		Insects & other
<i>Heterocerus unicus</i>		Insects & other
<i>Heterocloeon anoka</i>		Insects & other
<i>Heteroplectron californicum</i>	A Caddisfly	Insects & other
<i>Heterotrissocladius oliveri</i>		Insects & other
<i>Hexagenia limbata</i>	A Mayfly	Insects & other
<i>Hibiscus lasiocarpus occidentalis</i>		Plants
<i>Himalopsyche phryganea</i>	A Caddisfly	Insects & other
<i>Himantopus mexicanus</i>	Black-necked Stilt	Birds
<i>Hippuris vulgaris</i>	Common Mare's-tail	Plants
<i>Histrionicus histrionicus</i>	Harlequin Duck	Birds
<i>Holorusia hespera</i>		Insects & other
<i>Homoleptohyphes dimorphus</i>	A Mayfly	Insects & other
<i>Homoleptohyphes mirus</i>		Insects & other
<i>Homoleptohyphes quercus</i>		Insects & other
<i>Homophylax adriana</i>		Insects & other
<i>Homophylax andax</i>		Insects & other
<i>Homophylax flavipennis</i>		Insects & other
<i>Homophylax insulas</i>	A Caddisfly	Insects & other
<i>Homophylax nevadensis</i>	A Caddisfly	Insects & other
<i>Homophylax rentzi</i>	A Caddisfly	Insects & other
<i>Homoplectra alseae</i>		Insects & other
<i>Homoplectra luchia</i>		Insects & other
<i>Homoplectra nigripennis</i>	A Caddisfly	Insects & other
<i>Homoplectra norada</i>	A Caddisfly	Insects & other
<i>Homoplectra oaklandensis</i>	A Caddisfly	Insects & other
<i>Homoplectra schuhi</i>	Schuh's Homoplectran Caddisfly	Insects & other
<i>Homoplectra shasta</i>	A Caddisfly	Insects & other
<i>Homoplectra sierra</i>	A Caddisfly	Insects & other
<i>Homoplectra spora</i>	A Caddisfly	Insects & other
<i>Hosackia oblongifolia</i>	NA	Plants
<i>Howellia aquatilis</i>	Water Howellia	Plants
<i>Hyaella azteca</i>	An Amphipod	Crustaceans
<i>Hyaella muerta</i>	An Amphipod	Crustaceans
<i>Hyaella sandra</i>	An Amphipod	Crustaceans
<i>Hydaticus aruspex</i>		Insects & other

Hydatophylax hesperus	A Caddisfly	Insects & other
Hydraena alternata		Insects & other
Hydraena arenicola		Insects & other
Hydraena arizonica		Insects & other
Hydraena bituberculata		Insects & other
Hydraena californica		Insects & other
Hydraena circulata		Insects & other
Hydraena leechi		Insects & other
Hydraena mignymixys		Insects & other
Hydraena nigra		Insects & other
Hydraena occidentalis		Insects & other
Hydraena pacifica		Insects & other
Hydraena petila		Insects & other
Hydraena sierra		Insects & other
Hydraena tuolumne		Insects & other
Hydraena vandykei		Insects & other
Hydraena yosemitensis		Insects & other
Hydrobaenus pilipes		Insects & other
Hydrobaenus saetheri		Insects & other
Hydrobius fuscipes		Insects & other
Hydrochara lineata		Insects & other
Hydrochara rickseckeri	Ricksecker's Water Scavenger Beetle	Insects & other
Hydrochus pseudosquamifer		Insects & other
Hydrochus squamifer		Insects & other
Hydrochus vagus		Insects & other
Hydrochus variolatus		Insects & other
Hydrocotyle ranunculoides	Floating Marsh-pennywort	Plants
Hydrocotyle umbellata	Many-flower Marsh-pennywort	Plants
Hydrocotyle verticillata verticillata	Whorled Marsh-pennywort	Plants
Hydrometra aemula		Insects & other
Hydrometra australis		Insects & other
Hydrometra lillianis		Insects & other
Hydrometra martini		Insects & other
Hydrophilus insularis		Insects & other
Hydrophilus triangularis		Insects & other
Hydroporus axillaris		Insects & other
Hydroporus carri		Insects & other
Hydroporus despectus		Insects & other
Hydroporus fortis		Insects & other
Hydroporus klamathensis		Insects & other

Hydroporus leechi	Leech's Skyline Diving Beetle	Insects & other
Hydroporus longiusculus		Insects & other
Hydroporus mannerheimi		Insects & other
Hydroporus notabilis		Insects & other
Hydroporus occidentalis		Insects & other
Hydroporus pervicinus	Wooly Hydroporus Diving Beetle	Insects & other
Hydroporus simplex	Simple Hydroporus Diving Beetle	Insects & other
Hydroporus sinuatipes		Insects & other
Hydroporus subpubescens		Insects & other
Hydroporus tademus		Insects & other
Hydroporus tenebrosus		Insects & other
Hydroporus transpunctatus		Insects & other
Hydroporus tristis		Insects & other
Hydroporus zackii		Insects & other
Hydropsyche alternans		Insects & other
Hydropsyche amblis	A Caddisfly	Insects & other
Hydropsyche andersoni		Insects & other
Hydropsyche auricolor		Insects & other
Hydropsyche californica	A Caddisfly	Insects & other
Hydropsyche centra		Insects & other
Hydropsyche cockerelli	A Caddisfly	Insects & other
Hydropsyche cora	A Caddisfly	Insects & other
Hydropsyche dorata		Insects & other
Hydropsyche intricata	A Caddisfly	Insects & other
Hydropsyche occidentalis	A Caddisfly	Insects & other
Hydropsyche oslari	A Caddisfly	Insects & other
Hydropsyche philo	A Caddisfly	Insects & other
Hydropsyche protis		Insects & other
Hydropsyche tana	A Caddisfly	Insects & other
Hydropsyche venada		Insects & other
Hydropsyche winema		Insects & other
Hydroptila ajax	A Caddisfly	Insects & other
Hydroptila arctia	A Caddisfly	Insects & other
Hydroptila argosa	A Caddisfly	Insects & other
Hydroptila consimilis		Insects & other
Hydroptila hamata	A Caddisfly	Insects & other
Hydroptila icona	A Caddisfly	Insects & other
Hydroptila lenora		Insects & other
Hydroptila modica		Insects & other
Hydroptila pecos		Insects & other
Hydroptila rono	A Caddisfly	Insects & other

<i>Hydroptila xera</i>	A Caddisfly	Insects & other
<i>Hydroscapha natans</i>		Insects & other
<i>Hydrotrupes palpalis</i>		Insects & other
<i>Hydrovatus brevipes</i>		Insects & other
<i>Hydrovatus davidis</i>		Insects & other
<i>Hygrotus acaroides</i>		Insects & other
<i>Hygrotus artus</i>	Mono Lake Hygrotus Diving Beetle	Insects & other
<i>Hygrotus bruesi</i>		Insects & other
<i>Hygrotus collatus</i>		Insects & other
<i>Hygrotus curvipes</i>	Curved-foot Hygrotus Diving Beetle	Insects & other
<i>Hygrotus dissimilis</i>		Insects & other
<i>Hygrotus femoratus</i>		Insects & other
<i>Hygrotus fontinalis</i>	Travertine Band-thigh Diving Beetle	Insects & other
<i>Hygrotus fraternus</i>		Insects & other
<i>Hygrotus hydropicus</i>		Insects & other
<i>Hygrotus impressopunctatus</i>		Insects & other
<i>Hygrotus infuscatus</i>		Insects & other
<i>Hygrotus intermedius</i>		Insects & other
<i>Hygrotus lutescens</i>		Insects & other
<i>Hygrotus marklini</i>		Insects & other
<i>Hygrotus masculinus</i>		Insects & other
<i>Hygrotus nigrescens</i>		Insects & other
<i>Hygrotus nubilis</i>		Insects & other
<i>Hygrotus obscureplagiatus</i>		Insects & other
<i>Hygrotus patruelis</i>		Insects & other
<i>Hygrotus pedalis</i>		Insects & other
<i>Hygrotus sayi</i>		Insects & other
<i>Hygrotus semivittatus</i>		Insects & other
<i>Hygrotus sharpi</i>		Insects & other
<i>Hygrotus thermarum</i>		Insects & other
<i>Hygrotus tumidiventris</i>		Insects & other
<i>Hygrotus turbidus</i>		Insects & other
<i>Hygrotus unguicularis</i>		Insects & other
<i>Hygrotus wardii</i>		Insects & other
<i>Hyperacanthomysis longirostris</i>		Crustaceans
<i>Hypericum anagalloides</i>	Tinker's-penny	Plants
<i>Hypomesus pacificus</i>	Delta smelt	Fishes
<i>Hysterocharpus traskii lagunae</i>	Clear Lake tule perch	Fishes
<i>Hysterocharpus traskii pomo</i>	Russian River tule perch	Fishes
<i>Hysterocharpus traskii traskii</i>	Sacramento tule perch	Fishes
<i>Icteria virens</i>	Yellow-breasted Chat	Birds

<i>Iliamna rivularis</i>		Plants
<i>Ilybius angustior</i>		Insects & other
<i>Ilybius fraterculus</i>		Insects & other
<i>Ilybius quadrimaculatus</i>		Insects & other
<i>Incilius alvarius</i>	Colorado River Toad	Herps
<i>Ioscytus cobbeni</i>		Insects & other
<i>Ioscytus franciscanus</i>		Insects & other
<i>Ioscytus nasti</i>		Insects & other
<i>Ioscytus politus</i>		Insects & other
<i>Ioscytus tepidarius</i>		Insects & other
<i>Ipnobius robustus</i>	Robust Tryonia	Mollusks
<i>Iris missouriensis</i>	Western Blue Iris	Plants
<i>Ironodes arcticus</i>		Insects & other
<i>Ironodes californicus</i>	A Mayfly	Insects & other
<i>Ironodes lepidus</i>	A Mayfly	Insects & other
<i>Ironodes nitidus</i>	A Mayfly	Insects & other
<i>Ischnura barberi</i>	Desert Forktail	Insects & other
<i>Ischnura cervula</i>	Pacific Forktail	Insects & other
<i>Ischnura damula</i>		Insects & other
<i>Ischnura demorsa</i>		Insects & other
<i>Ischnura denticollis</i>	Black-fronted Forktail	Insects & other
<i>Ischnura erratica</i>	Swift Forktail	Insects & other
<i>Ischnura gemina</i>	San Francisco Forktail	Insects & other
<i>Ischnura hastata</i>	Citrine Forktail	Insects & other
<i>Ischnura perparva</i>	Western Forktail	Insects & other
<i>Ischnura ramburii</i>		Insects & other
<i>Isocapnia abbreviata</i>	Shortlimb Snowfly	Insects & other
<i>Isocapnia agassizi</i>		Insects & other
<i>Isocapnia eichlini</i>	A Stonefly	Insects & other
<i>Isocapnia grandis</i>	Giant Snowfly	Insects & other
<i>Isocapnia mogila</i>	Irregular Snowfly	Insects & other
<i>Isocapnia paloussa</i>		Insects & other
<i>Isocapnia rickeri</i>		Insects & other
<i>Isocapnia spenceri</i>	Chilliwack Snowfly	Insects & other
<i>Isocapnia vedderensis</i>		Insects & other
<i>Isoetes bolanderi</i>	NA	Plants
<i>Isoetes echinospora</i>	NA	Plants
<i>Isoetes howellii</i>	NA	Plants
<i>Isoetes nuttallii</i>	NA	Plants
<i>Isoetes occidentalis</i>	NA	Plants
<i>Isoetes orcuttii</i>	NA	Plants

<i>Isogenoides colubrinus</i>	Blackfoot Springfly	Insects & other
<i>Isogenoides elongatus</i>		Insects & other
<i>Isogenoides zionensis</i>		Insects & other
<i>Isolepis cernua</i>	Low Bulrush	Plants
<i>Isolepis setacea</i>	NA	Plants
<i>Isonychia intermedia</i>		Insects & other
<i>Isonychia velma</i>	A Mayfly	Insects & other
<i>Isoperla acula</i>	Fresno Stripetail	Insects & other
<i>Isoperla adunca</i>	Arroyo Stripetail	Insects & other
<i>Isoperla baumanni</i>	California Stripetail	Insects & other
<i>Isoperla bifurcata</i>	Forked Stripetail	Insects & other
<i>Isoperla denningi</i>	Angeles Stripetail	Insects & other
<i>Isoperla fulva</i>	Western Stripetail	Insects & other
<i>Isoperla gravitans</i>		Insects & other
<i>Isoperla karuk</i>	Klamath Stripetail	Insects & other
<i>Isoperla laucki</i>	Humboldt Stripetail	Insects & other
<i>Isoperla marmorata</i>	Red Stripetail	Insects & other
<i>Isoperla miwok</i>	Miwok Stripetail	Insects & other
<i>Isoperla mormona</i>	Mormon Stripetail	Insects & other
<i>Isoperla muir</i>		Insects & other
<i>Isoperla phalerata</i>		Insects & other
<i>Isoperla pinta</i>	Checkered Stripetail	Insects & other
<i>Isoperla quinquepunctata</i>	Fivespot Stripetail	Insects & other
<i>Isoperla raineri</i>		Insects & other
<i>Isoperla roguensis</i>	Rogue Stripetail	Insects & other
<i>Isoperla sobria</i>	Colorado Stripetail	Insects & other
<i>Isoperla sordida</i>	Notched Stripetail	Insects & other
<i>Isoperla tilasqua</i>		Insects & other
<i>Ithytrichia clavata</i>	A Caddisfly	Insects & other
<i>Ithytrichia mexicana</i>		Insects & other
<i>Ixobrychus exilis hesperis</i>	Western Least Bittern	Birds
<i>Jaumea carnososa</i>	Fleshy Jaumea	Plants
<i>Juga acutifilosa</i>	Topaz Juga	Mollusks
<i>Juga chacei</i>	Chace Juga	Mollusks
<i>Juga nigrina</i>	Black Juga	Mollusks
<i>Juga occata</i>	Scalloped Juga	Mollusks
<i>Juga orickensis</i>	Redwood Juga	Mollusks
<i>Juncus acuminatus</i>	Sharp-fruit Rush	Plants
<i>Juncus acutus leopoldii</i>	Spiny Rush	Plants
<i>Juncus anthelatus</i>	NA	Plants
<i>Juncus articulatus articulatus</i>		Plants



<i>Juncus bolanderi</i>	Bolander's Rush	Plants
<i>Juncus bryoides</i>	Moss Rush	Plants
<i>Juncus chlorocephalus</i>	Green-head Rush	Plants
<i>Juncus diffusissimus</i>	NA	Plants
<i>Juncus digitatus</i>	Finger Rush	Plants
<i>Juncus dubius</i>	Mariposa Rush	Plants
<i>Juncus duranii</i>	Duran's Rush	Plants
<i>Juncus effusus austrocalifornicus</i>		Plants
<i>Juncus effusus effusus</i>	NA	Plants
<i>Juncus effusus pacificus</i>		Plants
<i>Juncus exiguus</i>		Plants
<i>Juncus falcatus falcatus</i>	Sickle-leaf Rush	Plants
<i>Juncus falcatus sitchensis</i>		Plants
<i>Juncus hemiendytus abjectus</i>	Dwarf Rush	Plants
<i>Juncus hemiendytus hemiendytus</i>	Dwarf Rush	Plants
<i>Juncus hesperius</i>		Plants
<i>Juncus leiospermus</i>	NA	Plants
<i>Juncus lescurii</i>		Plants
<i>Juncus luciensis</i>	Santa Lucia Dwarf Rush	Plants
<i>Juncus macrandrus</i>	Long-anther Rush	Plants
<i>Juncus macrophyllus</i>	Longleaf Rush	Plants
<i>Juncus marginatus</i>	NA	Plants
<i>Juncus mertensianus</i>	Mertens' Rush	Plants
<i>Juncus nevadensis inventus</i>	Sierra Rush	Plants
<i>Juncus nodosus</i>	NA	Plants
<i>Juncus phaeocephalus paniculatus</i>	Brownhead Rush	Plants
<i>Juncus phaeocephalus phaeocephalus</i>	Brown-head Rush	Plants
<i>Juncus planifolius</i>	NA	Plants
<i>Juncus regelii</i>	Regel's Rush	Plants
<i>Juncus rugulosus</i>	Wrinkled Rush	Plants
<i>Juncus saximontanus</i>	Rocky Mountain Rush	Plants
<i>Juncus supiniformis</i>	Hairy-leaf Rush	Plants
<i>Juncus textilis</i>	Basket Rush	Plants
<i>Juncus uncialis</i>	Inch-high Rush	Plants
<i>Juncus usitatus</i>	NA	Plants
<i>Juncus xiphioides</i>	Iris-leaf Rush	Plants
<i>Kathroperla perdita</i>	Longhead Sallfly	Insects & other
<i>Kathroperla tahoma</i>	Slenderhead Sallfly	Insects & other

Kiefferulus dux		Insects & other
Kiefferulus modocensis		Insects & other
Kinosternon sonoriense	Sonoran Mud Turtle	Herps
Kobresia myosuroides	Pacific Kobresia	Plants
Kogotus nonus	Smooth Springfly	Insects & other
Konikea expansipalpis		Insects & other
Krenopelopia narda		Insects & other
Kyhosia bolanderi		Plants
Labrundinia maculata		Insects & other
Labrundinia pilosella		Insects & other
Laccobius acutipennis		Insects & other
Laccobius agilis		Insects & other
Laccobius borealis		Insects & other
Laccobius bruesi		Insects & other
Laccobius californicus		Insects & other
Laccobius carri		Insects & other
Laccobius ellipticus		Insects & other
Laccobius hardyi		Insects & other
Laccobius insolitus		Insects & other
Laccobius leechi		Insects & other
Laccobius mexicanus		Insects & other
Laccobius nevadensis		Insects & other
Laccobius occidentalis		Insects & other
Laccobius oregonensis		Insects & other
Laccobius pacificus		Insects & other
Laccobius piceus		Insects & other
Laccobius tridentipennis		Insects & other
Laccobius truncatipennis		Insects & other
Laccophilus biguttatus		Insects & other
Laccophilus fasciatus terminalis		Insects & other
Laccophilus horni		Insects & other
Laccophilus maculosus		Insects & other
Laccophilus maculosus decipiens		Insects & other
Laccophilus maculosus shermani		Insects & other
Laccophilus mexicanus atristernalis		Insects & other
Laccophilus mexicanus mexicanus		Insects & other
Laccophilus oscillator		Insects & other
Laccophilus pictus		Insects & other

<i>Laccophilus quadrilineatus quadrilineatus</i>		Insects & other
<i>Laccophilus salvini</i>		Insects & other
<i>Laccophilus sonorensis</i>		Insects & other
<i>Laccophilus vacaensis</i>		Insects & other
<i>Laccornis pacificus</i>		Insects & other
<i>Lachlania saskatchewanensis</i>		Insects & other
<i>Ladona julia</i>	Chalk-fronted Corporal	Insects & other
<i>Lampetra ayersi</i>	River lamprey	Fishes
<i>Lampetra hubbsi</i>	Kern brook lamprey	Fishes
<i>Lampetra lethophaga</i>	Pit-Klamath brook lamprey	Fishes
<i>Lampetra richardsoni</i>	Western brook lamprey	Fishes
<i>Landoltia punctata</i>	NA	Plants
<i>Lanx alta</i>	Highcap Lanx	Mollusks
<i>Lanx hannai</i>		Mollusks
<i>Lanx klamathensis</i>	Scale Lanx	Mollusks
<i>Lanx patelloides</i>	Kneecap Lanx	Mollusks
<i>Lanx subrotundatus</i>		Mollusks
<i>Lara avara</i>		Insects & other
<i>Lara gehringi</i>		Insects & other
<i>Larsia decolorata</i>		Insects & other
<i>Larsia lyra</i>		Insects & other
<i>Larsia marginella</i>		Insects & other
<i>Larsia planensis</i>		Insects & other
<i>Larsia sequoiaensis</i>		Insects & other
<i>Larus livens</i>	Yellow-footed Gull	Birds
<i>Lasthenia burkei</i>	Burke's Goldfields	Plants
<i>Lasthenia conjugens</i>	Contra Costa Goldfields	Plants
<i>Lasthenia ferrisiae</i>	Ferris' Goldfields	Plants
<i>Lasthenia fremontii</i>	Fremont's Goldfields	Plants
<i>Lasthenia glabrata coulteri</i>	Coulter's Goldfields	Plants
<i>Laterallus jamaicensis coturniculus</i>	California Black Rail	Birds
<i>Lathyrus jepsonii</i>	NA	Plants
<i>Lathyrus palustris</i>	Vetchling Peavine	Plants
<i>Lauterborniella agrayloides</i>		Insects & other
<i>Lavinia exilicauda chi</i>	Clear Lake hitch	Fishes
<i>Lavinia exilicauda exilicauda</i>	Sacramento hitch	Fishes
<i>Lavinia exilicauda harengus</i>	Monterey hitch	Fishes
<i>Lavinia mitrulus</i>	Northern (Pit) roach	Fishes
<i>Lavinia parvipinnus</i>	Gualala roach	Fishes
<i>Lavinia symmetricus navarroensis</i>	Navarro roach	Fishes

Lavinia symmetricus ssp. 1	Russian River roach	Fishes
Lavinia symmetricus ssp. 2	Red Hills roach	Fishes
Lavinia symmetricus ssp. 3	Clear Lake roach	Fishes
Lavinia symmetricus ssp. 4	Tomales roach	Fishes
Lavinia symmetricus subditus	Monterey roach	Fishes
Lavinia symmetricus symmetricus	Central California roach	Fishes
Lednia sierra	A Stonefly	Insects & other
Leersia oryzoides	Rice Cutgrass	Plants
Legenere limosa	False Venus'-looking-glass	Plants
Lemna aequinoctialis	Lesser Duckweed	Plants
Lemna gibba	Inflated Duckweed	Plants
Lemna minor	Lesser Duckweed	Plants
Lemna minuta	Least Duckweed	Plants
Lemna trisulca	Star Duckweed	Plants
Lemna turionifera	Turion Duckweed	Plants
Lemna valdiviana	Pale Duckweed	Plants
Lenarchus brevipennis		Insects & other
Lenarchus gravidus	A Caddisfly	Insects & other
Lenarchus rho		Insects & other
Lenarchus rillus	A Caddisfly	Insects & other
Lenarchus vastus	A Caddisfly	Insects & other
Lepania cascada		Insects & other
Lepidium jaredii jaredii	Jared's Pepper-grass	Plants
Lepidium oxycarpum	Sharp-pod Pepper-grass	Plants
Lepidostoma acarolum		Insects & other
Lepidostoma apache		Insects & other
Lepidostoma aporum		Insects & other
Lepidostoma astaneum	A Caddisfly	Insects & other
Lepidostoma bakeri		Insects & other
Lepidostoma baxea	A Caddisfly	Insects & other
Lepidostoma canthum	A Caddisfly	Insects & other
Lepidostoma cascadenense	A Caddisfly	Insects & other
Lepidostoma castalianum	A Caddisfly	Insects & other
Lepidostoma cinereum	A Caddisfly	Insects & other
Lepidostoma ermanae	Cold Spring Caddisfly	Insects & other
Lepidostoma errigenum	A Caddisfly	Insects & other
Lepidostoma hoodi		Insects & other
Lepidostoma jewetti	A Caddisfly	Insects & other
Lepidostoma knulli		Insects & other
Lepidostoma lacinatum		Insects & other

Lepidostoma licolum	A Caddisfly	Insects & other
Lepidostoma lotor	A Caddisfly	Insects & other
Lepidostoma mexicanum		Insects & other
Lepidostoma ojanum	A Caddisfly	Insects & other
Lepidostoma ormeum		Insects & other
Lepidostoma pluviale	A Caddisfly	Insects & other
Lepidostoma podagrum	A Caddisfly	Insects & other
Lepidostoma quericinum		Insects & other
Lepidostoma rayneri	A Caddisfly	Insects & other
Lepidostoma recinum	A Caddisfly	Insects & other
Lepidostoma roafi	A Caddisfly	Insects & other
Lepidostoma stigma		Insects & other
Lepidostoma unicolor	A Caddisfly	Insects & other
Lepidostoma verodum	A Caddisfly	Insects & other
Lepidurus bilobatus		Crustaceans
Lepidurus cryptus	Cryptic Tadpole Shrimp	Crustaceans
Lepidurus lemmoni	Lynch Tadpole Shrimp	Crustaceans
Lepidurus packardi	Vernal Pool Tadpole Shrimp	Crustaceans
Leptestheria compleximanus	Spineynose Clam Shrimp	Crustaceans
Leptohyphes apache		Insects & other
Leptohyphes ferruginus		Insects & other
Leptohyphes lestes		Insects & other
Leptohyphes zalope		Insects & other
Leptophlebia cupida	A Mayfly	Insects & other
Leptophlebia pacifica	A Mayfly	Insects & other
Lestes alacer		Insects & other
Lestes congener	Spotted Spreadwing	Insects & other
Lestes disjunctus	Northern Spreadwing	Insects & other
Lestes dryas	Emerald Spreadwing	Insects & other
Lestes stultus	Black Spreadwing	Insects & other
Lestes unguiculatus	Lyre-tipped Spreadwing	Insects & other
Lethocerus americanus		Insects & other
Lethocerus angustipes		Insects & other
Lethocerus medius		Insects & other
Leucorrhinia glacialis	Crimson-ringed Whiteface	Insects & other
Leucorrhinia hudsonica	Hudsonian Whiteface	Insects & other
Leucorrhinia intacta	Dot-tailed Whiteface	Insects & other
Leucorrhinia proxima	Belted Whiteface	Insects & other
Leucothoe davisiae	Western Doghobble	Plants
Leucotrichia limpia		Insects & other
Leucotrichia pictipes	A Micro Caddisfly	Insects & other

<i>Leucotrichia sarita</i>		Insects & other
<i>Leucrocuta jewetti</i>		Insects & other
<i>Lewisia cantelovii</i>	Cantelow's <i>Lewisia</i>	Plants
<i>Libellula comanche</i>	Comanche Skimmer	Insects & other
<i>Libellula composita</i>	Bleached Skimmer	Insects & other
<i>Libellula croceipennis</i>	Neon Skimmer	Insects & other
<i>Libellula forensis</i>	Eight-spotted Skimmer	Insects & other
<i>Libellula luctuosa</i>	Widow Skimmer	Insects & other
<i>Libellula nodisticta</i>	Hoary Skimmer	Insects & other
<i>Libellula pulchella</i>	Twelve-spotted Skimmer	Insects & other
<i>Libellula quadrimaculata</i>	Four-spotted Skimmer	Insects & other
<i>Libellula saturata</i>	Flame Skimmer	Insects & other
<i>Lichminus tenuicornis</i>		Insects & other
<i>Ligidium kofoidi</i>	A Cave Obligate Isopod	Crustaceans
<i>Lilaeopsis masonii</i>	Mason's <i>Lilaeopsis</i>	Plants
<i>Lilaeopsis occidentalis</i>	Western <i>Lilaeopsis</i>	Plants
<i>Lilium kelleyanum</i>	Kelley's Lily	Plants
<i>Lilium pardalinum pardalinum</i>	Leopard Lily	Plants
<i>Lilium pardalinum pitkinense</i>	Pitkin Marsh Lily	Plants
<i>Lilium pardalinum shastense</i>	Leopard Lily	Plants
<i>Lilium pardalinum vollmeri</i>	Vollmer's Lily	Plants
<i>Lilium pardalinum wigginsii</i>	Wiggin's Lily	Plants
<i>Lilium parryi</i>	Lemon Lily	Plants
<i>Lilium parvum</i>	Small Tiger Lily	Plants
<i>Limnanthes alba alba</i>	White Meadowfoam	Plants
<i>Limnanthes alba parishii</i>	NA	Plants
<i>Limnanthes alba versicolor</i>	White Meadowfoam	Plants
<i>Limnanthes bakeri</i>	Baker's Meadowfoam	Plants
<i>Limnanthes douglasii douglasii</i>	Douglas' Meadowfoam	Plants
<i>Limnanthes douglasii nivea</i>	Douglas' Meadowfoam	Plants
<i>Limnanthes douglasii rosea</i>	Douglas' Meadowfoam	Plants
<i>Limnanthes douglasii striata</i>		Plants
<i>Limnanthes douglasii sulphurea</i>	Pt. Reyes Meadowfoam	Plants
<i>Limnanthes floccosa bellingeriana</i>	Bellinger's Meadowfoam	Plants
<i>Limnanthes floccosa californica</i>	Shippee Meadowfoam	Plants
<i>Limnanthes floccosa floccosa</i>	Woolly Meadowfoam	Plants
<i>Limnanthes montana</i>	Mountain Meadowfoam	Plants
<i>Limnanthes vinculans</i>	Sebastopol Meadowfoam	Plants
<i>Limnebius alutaceus</i>		Insects & other
<i>Limnebius arenicolus</i>		Insects & other

Limnebius leechi		Insects & other
Limnebius piceus		Insects & other
Limnebius sinuatus		Insects & other
Limnephilus abbreviatus		Insects & other
Limnephilus acnestus	A Caddisfly	Insects & other
Limnephilus acula	A Caddisfly	Insects & other
Limnephilusalconura	Klamath Limnephilan Caddisfly	Insects & other
Limnephilus apache		Insects & other
Limnephilus aretto	A Caddisfly	Insects & other
Limnephilus arizona		Insects & other
Limnephilus assimilis	A Caddisfly	Insects & other
Limnephilus atercus	Fort Dick Limnephilus Caddisfly	Insects & other
Limnephilus bucketti	A Caddisfly	Insects & other
Limnephilus canadensis		Insects & other
Limnephilus catula	A Caddisfly	Insects & other
Limnephilus coloradensis	A Caddisfly	Insects & other
Limnephilus concolor	A Caddisfly	Insects & other
Limnephilus diversus		Insects & other
Limnephilus ectus		Insects & other
Limnephilus elongatus		Insects & other
Limnephilus externus	A Caddisfly	Insects & other
Limnephilus fagus		Insects & other
Limnephilus frijole	A Caddisfly	Insects & other
Limnephilus granti		Insects & other
Limnephilus hyalinus		Insects & other
Limnephilus insularis		Insects & other
Limnephilus kalama		Insects & other
Limnephilus kennicotti		Insects & other
Limnephilus lithus		Insects & other
Limnephilus lopho		Insects & other
Limnephilus lunonus		Insects & other
Limnephilus moestus		Insects & other
Limnephilus morrisoni	A Caddisfly	Insects & other
Limnephilus neoacula		Insects & other
Limnephilus nogus	A Caddisfly	Insects & other
Limnephilus occidentalis	A Caddisfly	Insects & other
Limnephilus peltus	A Caddisfly	Insects & other
Limnephilus productus	A Caddisfly	Insects & other
Limnephilus rothi		Insects & other
Limnephilus santanus		Insects & other
Limnephilus secludens	A Caddisfly	Insects & other

<i>Limnephilus sericeus</i>		Insects & other
<i>Limnephilus sierrata</i>	A Caddisfly	Insects & other
<i>Limnephilus silviae</i>		Insects & other
<i>Limnephilus sitchensis</i>		Insects & other
<i>Limnephilus spinatus</i>	A Caddisfly	Insects & other
<i>Limnephilus tulatus</i>		Insects & other
<i>Limnichites foraminosus</i>		Insects & other
<i>Limnichites nebulosus</i>		Insects & other
<i>Limnichites perforatus</i>		Insects & other
<i>Limnichoderus lutrochinus</i>		Insects & other
<i>Limnichoderus naviculatus</i>		Insects & other
<i>Limnobium spongia</i>	NA	Plants
<i>Limnochares anomala</i>		Insects & other
<i>Limnocoris moapensis</i>		Insects & other
<i>Limnodromus scolopaceus</i>	Long-billed Dowitcher	Birds
<i>Limnophyes asquamatus</i>		Insects & other
<i>Limnophyes doughmani</i>		Insects & other
<i>Limnophyes hamiltoni</i>		Insects & other
<i>Limnophyes natalensis</i>		Insects & other
<i>Limnophyes pilicistulus</i>		Insects & other
<i>Limnopus notabilis</i>		Insects & other
<i>Limonium californicum</i>	California Sea-lavender	Plants
<i>Limosella acaulis</i>	Southern Mudwort	Plants
<i>Limosella aquatica</i>	Northern Mudwort	Plants
<i>Limosella australis</i>	NA	Plants
<i>Linderiella occidentalis</i>	California Fairy Shrimp	Crustaceans
<i>Linderiella santarosae</i>	Santa Rosa Plateau Fairy Shrimp	Crustaceans
<i>Lindernia dubia</i>	Yellowseed False Pimpernel	Plants
<i>Liodessus obscurellus</i>		Insects & other
<i>Liodessus saratogae</i>		Insects & other
<i>Lipocarpha micrantha</i>	Dwarf Bulrush	Plants
<i>Lithobates pipiens</i>	Northern Leopard Frog	Herps
<i>Lithobates yavapaiensis</i>	Yavapai Leopard Frog	Herps
<i>Lobelia cardinalis cardinalis</i>	NA	Plants
<i>Lobelia cardinalis pseudosplendens</i>		Plants
<i>Lobelia dunnii serrata</i>	Dunn's Lobelia	Plants
<i>Lontra canadensis canadensis</i>	North American River Otter	Mammals
<i>Lontra canadensis sonora</i>	Southwestern River Otter	Mammals
<i>Lophodytes cucullatus</i>	Hooded Merganser	Birds
<i>Ludwigia grandiflora</i>	NA	Plants



<i>Ludwigia hexapetala</i>	NA	Plants
<i>Ludwigia palustris</i>	Marsh Seedbox	Plants
<i>Ludwigia peploides montevidensis</i>	NA	Plants
<i>Ludwigia peploides peploides</i>	NA	Plants
<i>Ludwigia repens</i>	Creeping Seedbox	Plants
<i>Lupinus polyphyllus burkei</i>		Plants
<i>Lupinus polyphyllus pallidipes</i>	Largeleaf Lupine	Plants
<i>Lupinus polyphyllus polyphyllus</i>	Bigleaf Lupine	Plants
<i>Lutrochus arizonensis</i>		Insects & other
<i>Lycastoides alticola</i>		Insects & other
<i>Lycopodiella inundata</i>	NA	Plants
<i>Lycopus americanus</i>	American Bugleweed	Plants
<i>Lycopus uniflorus uniflorus</i>	Northern Bugleweed	Plants
<i>Lymnaea stagnalis</i>	Swamp Lymnaea	Mollusks
<i>Lynceus brachyurus</i>	Holarctic Clam Shrimp	Crustaceans
<i>Lynceus brevifrons</i>		Crustaceans
<i>Lysichiton americanus</i>	Yellow Skunk-cabbage	Plants
<i>Lysimachia thyrsoiflora</i>	Water Loosestrife	Plants
<i>Lythrum californicum</i>	California Loosestrife	Plants
<i>Lythrum portula</i>	NA	Plants
<i>Maccaffertium terminatum</i>	A Mayfly	Insects & other
<i>Macrelmis moestus</i>		Insects & other
<i>Macrodiplax balteata</i>	Marl Pennant	Insects & other
<i>Macromia magnifica</i>	Western River Cruiser	Insects & other
<i>Macrothemis inacuta</i>		Insects & other
<i>Macrovelia hornii</i>		Insects & other
<i>Malenka bifurcata</i>		Insects & other
<i>Malenka biloba</i>	Two-lobed Forestfly	Insects & other
<i>Malenka californica</i>	California Forestfly	Insects & other
<i>Malenka coloradensis</i>		Insects & other
<i>Malenka cornuta</i>	Horned Forestfly	Insects & other
<i>Malenka depressa</i>	Bluntlobe Forestfly	Insects & other
<i>Malenka flexura</i>		Insects & other
<i>Malenka marionae</i>	Sagehen Forestfly	Insects & other
<i>Malenka murvoshi</i>		Insects & other
<i>Malenka perplexa</i>		Insects & other
<i>Malenka tina</i>		Insects & other
<i>Margaritifera falcata</i>	Western Pearlshell	Mollusks
<i>Marilia flexuosa</i>	A Caddisfly	Insects & other
<i>Marilia nobscia</i>		Insects & other

<i>Marsilea oligospora</i>	NA	Plants
<i>Marsilea vestita vestita</i>	NA	Plants
<i>Martarega mexicana</i>		Insects & other
<i>Maruina lanceolata</i>		Insects & other
<i>Matriella teresa</i>	A Mayfly	Insects & other
<i>Mayatrichia acuna</i>		Insects & other
<i>Mayatrichia ayama</i>		Insects & other
<i>Mayatrichia ponta</i>		Insects & other
<i>Megaceryle alcyon</i>	Belted Kingfisher	Birds
<i>Megaleuctra complicata</i>		Insects & other
<i>Megaleuctra kincaidi</i>		Insects & other
<i>Megaleuctra sierra</i>	Sierra Needlefly	Insects & other
<i>Megarcys signata</i>		Insects & other
<i>Megarcys subtruncata</i>		Insects & other
<i>Megarcys yosemite</i>	Yosemite Springfly	Insects & other
<i>Menetus opercularis</i>	Button Sprite	Mollusks
<i>Menyanthes trifoliata</i>	Bog Buckbean	Plants
<i>Mergus merganser</i>	Common Merganser	Birds
<i>Mergus serrator</i>	Red-breasted Merganser	Birds
<i>Meringodixa chalonensis</i>		Insects & other
<i>Meropelopia flavifrons</i>		Insects & other
<i>Merragata hebroides</i>		Insects & other
<i>Mesocapnia arizonensis</i>		Insects & other
<i>Mesocapnia autumnna</i>		Insects & other
<i>Mesocapnia bakeri</i>	Pomona Snowfly	Insects & other
<i>Mesocapnia bulbosa</i>	Bulbous Snowfly	Insects & other
<i>Mesocapnia frisoni</i>		Insects & other
<i>Mesocapnia lapwae</i>		Insects & other
<i>Mesocapnia oenone</i>		Insects & other
<i>Mesocapnia porrecta</i>	Stretched Snowfly	Insects & other
<i>Mesocapnia projecta</i>	Spined Snowfly	Insects & other
<i>Mesocapnia weneri</i>	Sabino Snowfly	Insects & other
<i>Mesocapnia yoloensis</i>	Yolo Snowfly	Insects & other
<i>Mesovelia amoena</i>		Insects & other
<i>Mesovelia mulsanti</i>		Insects & other
<i>Metacnephia coloradensis</i>		Insects & other
<i>Metacnephia jeanae</i>		Insects & other
<i>Metacnephia villosa</i>		Insects & other
<i>Metrichia arizonensis</i>		Insects & other
<i>Metrichia nigritta</i>		Insects & other
<i>Metriocnemus edwardsi</i>		Insects & other

<i>Metricnemus stevensi</i>		Insects & other
<i>Metricnemus yaquina</i>		Insects & other
<i>Metrobates denticornis</i>		Insects & other
<i>Metrobates trux</i>		Insects & other
<i>Miracanthia fennica</i>		Insects & other
<i>Miracanthia humilis</i>		Insects & other
<i>Miracanthia quadrimaculata</i>		Insects & other
<i>Miracanthia schuhi</i>		Insects & other
<i>Miracanthia utahensis</i>		Insects & other
<i>Micranthes aprica</i>		Plants
<i>Micranthes marshallii</i>	NA	Plants
<i>Micranthes odontoloma</i>		Plants
<i>Micranthes oregana</i>	NA	Plants
<i>Mirasema arizonica</i>		Insects & other
<i>Mirasema bacro</i>	A Caddisfly	Insects & other
<i>Mirasema dimicki</i>		Insects & other
<i>Mirasema diteris</i>	A Caddisfly	Insects & other
<i>Mirasema onisca</i>	A Caddisfly	Insects & other
<i>Mirasema oregona</i>		Insects & other
<i>Microchironomus nigrovittatus</i>		Insects & other
<i>Microcylloepus formicoideus</i>	Furnace Creek Riffle Beetle	Insects & other
<i>Microcylloepus moapus</i>		Insects & other
<i>Microcylloepus similis</i>		Insects & other
<i>Microcylloepus thermarum</i>		Insects & other
<i>Micromenetus dilatatus</i>	Bugle Sprite	Mollusks
<i>Micropsectra nigripila</i>		Insects & other
<i>Micropsectra polita</i>		Insects & other
<i>Microtendipes caducus</i>		Insects & other
<i>Microtendipes pedellus</i>		Insects & other
<i>Microvelia beameri</i>		Insects & other
<i>Microvelia buenoi</i>		Insects & other
<i>Microvelia californiensis</i>		Insects & other
<i>Microvelia cerifera</i>		Insects & other
<i>Microvelia fasculifera</i>		Insects & other
<i>Microvelia gerhardi</i>		Insects & other
<i>Microvelia glabrosulcata</i>		Insects & other
<i>Microvelia hinei</i>		Insects & other
<i>Microvelia paludicola</i>		Insects & other
<i>Microvelia pulchella</i>		Insects & other
<i>Microvelia rasilis</i>		Insects & other
<i>Microvelia rufescens</i>		Insects & other

<i>Microvelia signata</i>		Insects & other
<i>Microvelia torquata</i>		Insects & other
<i>Mideopsis pumila</i>		Insects & other
<i>Mimulus alsinoides</i>	Chickweed Monkeyflower	Plants
<i>Mimulus angustatus</i>	Narrowleaf Pansy Monkeyflower	Plants
<i>Mimulus breviflorus</i>	Short-flower Monkeyflower	Plants
<i>Mimulus cardinalis</i>	Scarlet Monkeyflower	Plants
<i>Mimulus dentatus</i>	Tooth-leaf Monkeyflower	Plants
<i>Mimulus evanescens</i>	Disappearing Monkeyflower	Plants
<i>Mimulus glaucescens</i>	Shield-bract Monkeyflower	Plants
<i>Mimulus guttatus</i>	Common Large Monkeyflower	Plants
<i>Mimulus laciniatus</i>	Cutleaf Monkeyflower	Plants
<i>Mimulus latidens</i>	Broad-tooth Monkeyflower	Plants
<i>Mimulus lewisii</i>	Lewis' Monkeyflower	Plants
<i>Mimulus nudatus</i>	Bare Monkeyflower	Plants
<i>Mimulus parishii</i>	Parish's Monkeyflower	Plants
<i>Mimulus pilosus</i>		Plants
<i>Mimulus primuloides linearifolius</i>	Primrose Monkeyflower	Plants
<i>Mimulus primuloides primuloides</i>	Primrose Monkeyflower	Plants
<i>Mimulus pulchellus</i>	Pansy Monkeyflower	Plants
<i>Mimulus ringens</i>	Square-stem Monkeyflower	Plants
<i>Mimulus tilingii tilingii</i>	Subalpine Monkeyflower	Plants
<i>Mimulus tricolor</i>	Tricolor Monkeyflower	Plants
<i>Mitellastra caulescens</i>		Plants
<i>Momonium projecta</i>		Insects & other
<i>Monopelopia tenuicalcar</i>		Insects & other
<i>Montia chamissoi</i>	Chamisso's Miner's-lettuce	Plants
<i>Montia fontana fontana</i>	Fountain Miner's-lettuce	Plants
<i>Montia howellii</i>	Howell's Miner's-lettuce	Plants
<i>Moribaetis mimbresaurus</i>		Insects & other
<i>Morphocorixa lundbladi</i>		Insects & other
<i>Moselia infuscata</i>	Hairy Needlefly	Insects & other
<i>Moselyana comosa</i>		Insects & other
<i>Muhlenbergia utilis</i>	Aparejo Grass	Plants
<i>Musulium partumeium</i>		Mollusks
<i>Musulium secuiris</i>		Mollusks
<i>Mycteria americana</i>	Wood Stork	Birds
<i>Mylopharodon conocephalus</i>	Hardhead	Fishes
<i>Myosotis laxa</i>	Small Forget-me-not	Plants
<i>Myosotis scorpioides</i>	NA	Plants

<i>Myosurus apetalus</i>	Bristly Mousetail	Plants
<i>Myosurus minimus</i>	NA	Plants
<i>Myosurus sessilis</i>	Sessile Mousetail	Plants
<i>Myriophyllum aquaticum</i>	NA	Plants
<i>Myriophyllum hippuroides</i>	Western Water-milfoil	Plants
<i>Myriophyllum quitense</i>	Andean Water-milfoil	Plants
<i>Myriophyllum sibiricum</i>	Common Water-milfoil	Plants
<i>Myriophyllum verticillatum</i>	Whorled Water-milfoil	Plants
<i>Mysis diluviana</i>		Crustaceans
<i>Mystacides alafimbriatus</i>	A Caddisfly	Insects & other
<i>Mystacides interjecta</i>		Insects & other
<i>Mystacides sepulchralis</i>	A Caddisfly	Insects & other
<i>Najas flexilis</i>	Slender Naiad	Plants
<i>Najas gracillima</i>	NA	Plants
<i>Najas guadalupensis guadalupensis</i>	Southern Naiad	Plants
<i>Namamyia plutonis</i>	A Caddisfly	Insects & other
<i>Namanereis hawaiiensis</i>		Insects & other
<i>Nanocladius anderseni</i>		Insects & other
<i>Nanonemoura wahkeena</i>		Insects & other
<i>Narpus angustus</i>		Insects & other
<i>Narpus arizonicus</i>		Insects & other
<i>Narpus concolor</i>		Insects & other
<i>Narthecium californicum</i>	California Bog Asphodel	Plants
<i>Nasturtium gambelii</i>	NA	Plants
<i>Natarsia miripes</i>		Insects & other
<i>Navarretia cotulifolia</i>	Cotula Navarretia	Plants
<i>Navarretia fossalis</i>	Spreading Navarretia	Plants
<i>Navarretia heterandra</i>	Tehama Navarretia	Plants
<i>Navarretia intertexta</i>	Needleleaf Navarretia	Plants
<i>Navarretia leucocephala bakeri</i>	Baker's Navarretia	Plants
<i>Navarretia leucocephala leucocephala</i>	White-flower Navarretia	Plants
<i>Navarretia leucocephala minima</i>	Least Navarretia	Plants
<i>Navarretia leucocephala pauciflora</i>	Few-flower Navarretia	Plants
<i>Navarretia leucocephala plieantha</i>	Many-flower Navarretia	Plants
<i>Navarretia myersii deminuta</i>	Small Pincushion Navarretia	Plants
<i>Navarretia myersii myersii</i>	Pincushion Navarretia	Plants
<i>Navarretia prostrata</i>	Prostrate Navarretia	Plants
<i>Neanthes limnicola</i>		Insects & other

<i>Nectopsyche dorsalis</i>	A Caddisfly	Insects & other
<i>Nectopsyche gracilis</i>	A Caddisfly	Insects & other
<i>Nectopsyche lahontanensis</i>	A Caddisfly	Insects & other
<i>Nectopsyche minuta</i>	A Caddisfly	Insects & other
<i>Nectopsyche stigmatica</i>		Insects & other
<i>Nehalennia irene</i>	Sedge Sprite	Insects & other
<i>Nemotaulius hostilis</i>		Insects & other
<i>Nemoura spiniloba</i>	Spiny Forestfly	Insects & other
<i>Neochoroterpes kossi</i>		Insects & other
<i>Neochthebius vandykei</i>		Insects & other
<i>Neoclypeodytes amybethae</i>		Insects & other
<i>Neoclypeodytes cinctellus</i>		Insects & other
<i>Neoclypeodytes fryii</i>		Insects & other
<i>Neoclypeodytes haroldi</i>		Insects & other
<i>Neoclypeodytes leachi</i>		Insects & other
<i>Neoclypeodytes ornatellus</i>		Insects & other
<i>Neoclypeodytes pictodes</i>		Insects & other
<i>Neoclypeodytes plicipennis</i>		Insects & other
<i>Neoclypeodytes quadripustulatus</i>		Insects & other
<i>Neoclypeodytes roughleyi</i>		Insects & other
<i>Neocorixa snowi</i>		Insects & other
<i>Neohermes californicus</i>		Insects & other
<i>Neohermes filicornis</i>		Insects & other
<i>Neomideopsis siuslawensis</i>		Insects & other
<i>Neomysis kadiakensis</i>	A Mysid Shrimp	Crustaceans
<i>Neomysis mercedis</i>		Crustaceans
<i>Neophylax occidentis</i>	A Caddisfly	Insects & other
<i>Neophylax rickeri</i>	A Caddisfly	Insects & other
<i>Neophylax splendens</i>	A Caddisfly	Insects & other
<i>Neoplea striola</i>		Insects & other
<i>Neoporus arizonicus</i>		Insects & other
<i>Neoporus dimidiatus</i>		Insects & other
<i>Neoporus undulatus</i>		Insects & other
<i>Neostapfia colusana</i>	Colusa Grass	Plants
<i>Neothremma alicia</i>	A Caddisfly	Insects & other
<i>Neothremma andersoni</i>		Insects & other
<i>Neothremma didactyla</i>		Insects & other
<i>Neothremma genella</i>	Golden-horned Caddisfly	Insects & other
<i>Neothremma macronata</i>	A Caddisfly	Insects & other
<i>Neothremma siskiyou</i>	Siskiyou Caddisfly	Insects & other

<i>Neotrichia blinni</i>		Insects & other
<i>Neotrichia halia</i>	A Caddisfly	Insects & other
<i>Neotrichia okopa</i>	A Caddisfly	Insects & other
<i>Neotrichia olorino</i>		Insects & other
<i>Neotrichia osmena</i>		Insects & other
<i>Neotrichia sandyae</i>		Insects & other
<i>Neotrichia sonora</i>		Insects & other
<i>Neovison vison</i>	American Mink	Mammals
<i>Nereis succinea</i>		Insects & other
<i>Nerophilus californicus</i>	A Caddisfly	Insects & other
<i>Nerthra manni</i>		Insects & other
<i>Nerthra martini</i>		Insects & other
<i>Nerthra mexicana</i>		Insects & other
<i>Nilotanytus fimbriatus</i>		Insects & other
<i>Nilothauma babiye</i>		Insects & other
<i>Nilothauma mirabile</i>		Insects & other
<i>Nitrophila mohavensis</i>	Amargosa Niterwort	Plants
<i>Nixe kennedyi</i>	A Mayfly	Insects & other
<i>Nothotrichia shasta</i>		Insects & other
<i>Notonecta hoffmani</i>		Insects & other
<i>Notonecta indica</i>		Insects & other
<i>Notonecta irrorata</i>		Insects & other
<i>Notonecta kirbyi</i>		Insects & other
<i>Notonecta lobata</i>		Insects & other
<i>Notonecta repanda</i>		Insects & other
<i>Notonecta shooteri</i>		Insects & other
<i>Notonecta spinosa</i>		Insects & other
<i>Notonecta undulata</i>		Insects & other
<i>Notonecta unifasciata</i>		Insects & other
<i>Numenius americanus</i>	Long-billed Curlew	Birds
<i>Numenius phaeopus</i>	Whimbrel	Birds
<i>Nuphar polysepala</i>		Plants
<i>Nycticorax nycticorax</i>	Black-crowned Night-Heron	Birds
<i>Nyctiophylax moestus</i>		Insects & other
<i>Nymphaea mexicana</i>	NA	Plants
<i>Ochlerotatus aboriginis</i>		Insects & other
<i>Ochlerotatus aloponotum</i>		Insects & other
<i>Ochlerotatus bicristatus</i>		Insects & other
<i>Ochlerotatus burgeri</i>		Insects & other
<i>Ochlerotatus campestris</i>		Insects & other
<i>Ochlerotatus cataphylla</i>		Insects & other

Ochlerotatus clivis		Insects & other
Ochlerotatus communis		Insects & other
Ochlerotatus deserticola		Insects & other
Ochlerotatus dorsalis		Insects & other
Ochlerotatus epactius		Insects & other
Ochlerotatus excrucians		Insects & other
Ochlerotatus fitchii		Insects & other
Ochlerotatus flavescens		Insects & other
Ochlerotatus hendersoni		Insects & other
Ochlerotatus hexodontus		Insects & other
Ochlerotatus impiger		Insects & other
Ochlerotatus implicatus		Insects & other
Ochlerotatus increpitus		Insects & other
Ochlerotatus intrudens		Insects & other
Ochlerotatus melanimon		Insects & other
Ochlerotatus monticola		Insects & other
Ochlerotatus muelleri		Insects & other
Ochlerotatus nevadensis		Insects & other
Ochlerotatus nigromaculatus		Insects & other
Ochlerotatus niphadopsis		Insects & other
Ochlerotatus papago		Insects & other
Ochlerotatus provocans		Insects & other
Ochlerotatus pullatus		Insects & other
Ochlerotatus purpureipes		Insects & other
Ochlerotatus schizopinax		Insects & other
Ochlerotatus sierrensis		Insects & other
Ochlerotatus sollicitans		Insects & other
Ochlerotatus squamiger		Insects & other
Ochlerotatus sticticus		Insects & other
Ochlerotatus taeniorhynchus		Insects & other
Ochlerotatus tahoensis		Insects & other
Ochlerotatus thelcter		Insects & other
Ochlerotatus trivittatus		Insects & other
Ochlerotatus varipalpus		Insects & other
Ochlerotatus ventrovittus		Insects & other
Ochlerotatus washinoi		Insects & other
Ochrotrichia alexanderi	A Caddisfly	Insects & other
Ochrotrichia alsea	Alsea Ochrotrichian Micro Caddisfly	Insects & other
Ochrotrichia argentea		Insects & other
Ochrotrichia arizonica	A Caddisfly	Insects & other
Ochrotrichia buccata	A Caddisfly	Insects & other



Ochrotrichia burdicki	A Caddisfly	Insects & other
Ochrotrichia dactylophora		Insects & other
Ochrotrichia hadria	A Caddisfly	Insects & other
Ochrotrichia honeyi	A Caddisfly	Insects & other
Ochrotrichia ildria		Insects & other
Ochrotrichia logana	A Caddisfly	Insects & other
Ochrotrichia lometa	A Caddisfly	Insects & other
Ochrotrichia lucia	A Caddisfly	Insects & other
Ochrotrichia mono	A Caddisfly	Insects & other
Ochrotrichia nacora	A Caddisfly	Insects & other
Ochrotrichia okanoganensis		Insects & other
Ochrotrichia oregona		Insects & other
Ochrotrichia phenosa	Deschutes Ochrotrichian Micro Caddisfly	Insects & other
Ochrotrichia quadrispina	A Caddisfly	Insects & other
Ochrotrichia rothi		Insects & other
Ochrotrichia salaris	A Caddisfly	Insects & other
Ochrotrichia spinulata		Insects & other
Ochrotrichia stylata	A Caddisfly	Insects & other
Ochrotrichia tarsalis		Insects & other
Ochrotrichia tenuata	A Caddisfly	Insects & other
Ochrotrichia trapoiza	A Caddisfly	Insects & other
Ochrotrichia vertreesi	Vertrees's Ochrotrichian Micro Caddisfly	Insects & other
Ochterus barberi		Insects & other
Ochterus perbosci		Insects & other
Ochterus rotundus		Insects & other
Ochthebius apache		Insects & other
Ochthebius arenicolus		Insects & other
Ochthebius arizonicus		Insects & other
Ochthebius aztecus		Insects & other
Ochthebius biinicus		Insects & other
Ochthebius bisinuatus		Insects & other
Ochthebius borealis		Insects & other
Ochthebius brevipennis		Insects & other
Ochthebius californicus		Insects & other
Ochthebius costipennis		Insects & other
Ochthebius crassalus	Wing-shoulder Minute Moss Beetle	Insects & other
Ochthebius crenatus		Insects & other
Ochthebius cribricollis		Insects & other
Ochthebius discretus		Insects & other
Ochthebius gruwelli		Insects & other
Ochthebius interruptus		Insects & other

<i>Ochthebius lecontei</i>		Insects & other
<i>Ochthebius leechi</i>		Insects & other
<i>Ochthebius lineatus</i>		Insects & other
<i>Ochthebius madrensis</i>		Insects & other
<i>Ochthebius marinus</i>		Insects & other
<i>Ochthebius martini</i>		Insects & other
<i>Ochthebius mimicus</i>		Insects & other
<i>Ochthebius orbus</i>		Insects & other
<i>Ochthebius pacificus</i>		Insects & other
<i>Ochthebius puncticollis</i>		Insects & other
<i>Ochthebius reticulatus</i>	Wilbur Springs Minute Moss Beetle	Insects & other
<i>Ochthebius rectus</i>		Insects & other
<i>Ochthebius rectusalus</i>		Insects & other
<i>Ochthebius richmondi</i>		Insects & other
<i>Ochthebius sculptoides</i>		Insects & other
<i>Ochthebius sculptus</i>		Insects & other
<i>Ochthebius sierrensis</i>		Insects & other
<i>Ochthebius similis</i>		Insects & other
<i>Ochthebius tubus</i>		Insects & other
<i>Ochthebius uniformis</i>		Insects & other
<i>Octogomphus specularis</i>	Grappletail	Insects & other
<i>Oecetis arizonica</i>		Insects & other
<i>Oecetis avara</i>	A Caddisfly	Insects & other
<i>Oecetis disjuncta</i>	A Caddisfly	Insects & other
<i>Oecetis inconspicua</i>	A Caddisfly	Insects & other
<i>Oecetis metlacensis</i>		Insects & other
<i>Oecetis ochracea</i>	A Caddisfly	Insects & other
<i>Oemopteryx leei</i>	A Stonefly	Insects & other
<i>Oemopteryx vanduzeei</i>	Alpine Willowfly	Insects & other
<i>Oenanthe sarmentosa</i>	Water-parsley	Plants
<i>Oenothera longissima</i>	Long-stem Evening-primrose	Plants
<i>Oligophlebodes minutus</i>		Insects & other
<i>Oligophlebodes mostbento</i>		Insects & other
<i>Oligophlebodes ruthae</i>		Insects & other
<i>Oligophlebodes sierra</i>	A Caddisfly	Insects & other
<i>Oligophlebodes sigma</i>		Insects & other
<i>Onconeura semifimbriata</i>		Insects & other
<i>Oncorhynchus clarki clarki</i>	Coastal cutthroat trout	Fishes
<i>Oncorhynchus clarki henshawi</i>	Lahontan cutthroat trout	Fishes
<i>Oncorhynchus clarki seleneris</i>	Paiute cutthroat trout	Fishes
<i>Oncorhynchus gorbuscha</i>	Pink salmon	Fishes

Oncorhynchus keta	Chum salmon	Fishes
Oncorhynchus kisutch - CCC	Central Coast coho salmon	Fishes
Oncorhynchus kisutch - SONCC	Southern Oregon Northern California coast coho salmon	Fishes
Oncorhynchus mykiss - CCC winter	Central California coast winter steelhead	Fishes
Oncorhynchus mykiss - CV	Central Valley steelhead	Fishes
Oncorhynchus mykiss - KMP summer	Klamath Mountains Province summer steelhead	Fishes
Oncorhynchus mykiss - KMP winter	Klamath Mountains Province winter steelhead	Fishes
Oncorhynchus mykiss - NC summer	Northern California coast summer steelhead	Fishes
Oncorhynchus mykiss - NC winter	Northern California coast winter steelhead	Fishes
Oncorhynchus mykiss - SCCC	South Central California coast steelhead	Fishes
Oncorhynchus mykiss - Southern CA	Southern California steelhead	Fishes
Oncorhynchus mykiss aguabonita	California golden trout	Fishes
Oncorhynchus mykiss aquilarum	Eagle Lake rainbow trout	Fishes
Oncorhynchus mykiss gilberti	Kern River rainbow trout	Fishes
Oncorhynchus mykiss irideus	Coastal rainbow trout	Fishes
Oncorhynchus mykiss ssp. 1	Goose Lake redband trout	Fishes
Oncorhynchus mykiss stonei	McCloud River redband trout	Fishes
Oncorhynchus mykiss whitei	Little Kern golden trout	Fishes
Oncorhynchus tshawytscha - CCC fall	California Coast fall Chinook salmon	Fishes
Oncorhynchus tshawytscha - CV fall	Central Valley fall Chinook salmon	Fishes
Oncorhynchus tshawytscha - CV late fall	Central Valley late fall Chinook salmon	Fishes
Oncorhynchus tshawytscha - CV spring	Central Valley spring Chinook salmon	Fishes
Oncorhynchus tshawytscha - CV winter	Central Valley winter Chinook salmon	Fishes
Oncorhynchus tshawytscha - SONCC fall	Southern Oregon Northern California coast fall Chinook salmon	Fishes
Oncorhynchus tshawytscha - UKT fall	Upper Klamath-Trinity fall Chinook salmon	Fishes
Oncorhynchus tshawytscha - UKT spring	Upper Klamath-Trinity spring Chinook salmon	Fishes
Ondatra zibethicus	Common Muskrat	Mammals

<i>Onocosmoecus sequoiae</i>	A Caddisfly	Insects & other
<i>Onocosmoecus unicolor</i>	A Caddisfly	Insects & other
<i>Ophiogomphus arizonicus</i>		Insects & other
<i>Ophiogomphus bison</i>	Bison Snaketail	Insects & other
<i>Ophiogomphus morrisoni</i>	Great Basin Snaketail	Insects & other
<i>Ophiogomphus occidentis</i>	Sinuuous Snaketail	Insects & other
<i>Ophiogomphus severus</i>	Pale Snaketail	Insects & other
<i>Oplonaeschna armata</i>		Insects & other
<i>Optioservus canus</i>	Pinnacles Optioservus Riffle Beetle	Insects & other
<i>Optioservus divergens</i>		Insects & other
<i>Optioservus heteroclitus</i>		Insects & other
<i>Optioservus quadrimaculatus</i>		Insects & other
<i>Optioservus seriatus</i>		Insects & other
<i>Oravelia pege</i>	Dry Creek Cliff Strider Bug	Insects & other
<i>Orconectes neglectus neglectus</i>		Crustaceans
<i>Orcuttia californica</i>	California Orcutt Grass	Plants
<i>Orcuttia inaequalis</i>	San Joaquin Valley Orcutt Grass	Plants
<i>Orcuttia pilosa</i>	Hairy Orcutt Grass	Plants
<i>Orcuttia tenuis</i>	Slender Orcutt Grass	Plants
<i>Orcuttia viscida</i>	Sacramento Orcutt Grass	Plants
<i>Ordobrevia nubifera</i>		Insects & other
<i>Oregonasellus elliotti</i>		Crustaceans
<i>Oreodytes abbreviatus</i>		Insects & other
<i>Oreodytes angustior</i>		Insects & other
<i>Oreodytes congruus</i>		Insects & other
<i>Oreodytes crassulus</i>		Insects & other
<i>Oreodytes humboltensis</i>		Insects & other
<i>Oreodytes obesus cordillerensis</i>		Insects & other
<i>Oreodytes obesus obesus</i>		Insects & other
<i>Oreodytes picturatus</i>		Insects & other
<i>Oreodytes quadrimaculatus</i>		Insects & other
<i>Oreodytes rhyacophilus</i>		Insects & other
<i>Oreodytes scitulus bisulcatus</i>		Insects & other
<i>Oreodytes scitulus scitulus</i>		Insects & other
<i>Oreodytes sierrae</i>		Insects & other
<i>Oreodytes subrotundus</i>		Insects & other
<i>Oreoleptis torrenticola</i>		Insects & other
<i>Oreostemma alpigenum andersonii</i>	Anderson's Tundra Aster	Plants
<i>Oreostemma elatum</i>	Plumas Mountaintocrown	Plants
<i>Oreostemma peirsonii</i>	Peirson's Aster	Plants

<i>Oreothlypis luciae</i>	Lucy's Warbler	Birds
<i>Orohermes crepusculus</i>		Insects & other
<i>Oroperla barbara</i>	Gilltail Springfly	Insects & other
<i>Orthemis discolor</i>		Insects & other
<i>Orthemis ferruginea</i>	Roseate Skimmer	Insects & other
<i>Orthilia secunda</i>	One-side Wintergreen	Plants
<i>Orthocladius appersoni</i>		Insects & other
<i>Orthocladius carlatus</i>		Insects & other
<i>Orthocladius dentifer</i>		Insects & other
<i>Orthocladius doreus</i>		Insects & other
<i>Orthocladius dubitatus</i>		Insects & other
<i>Orthocladius frigidus</i>		Insects & other
<i>Orthocladius hellenthali</i>		Insects & other
<i>Orthocladius lignicola</i>		Insects & other
<i>Orthocladius luteipes</i>		Insects & other
<i>Orthocladius mallochi</i>		Insects & other
<i>Orthocladius obumbratus</i>		Insects & other
<i>Orthocladius oliveri</i>		Insects & other
<i>Orthocladius rivicola</i>		Insects & other
<i>Orthocladius rubicundus</i>		Insects & other
<i>Orthocladius subletti</i>		Insects & other
<i>Orthodon microlepidotus</i>	Sacramento blackfish	Fishes
<i>Orthopodomyia kummi</i>		Insects & other
<i>Orthopodomyia signifera</i>		Insects & other
<i>Osobenus yakimae</i>	Yakima Springfly	Insects & other
<i>Ostrocerca dimicki</i>		Insects & other
<i>Ostrocerca foersteri</i>		Insects & other
<i>Oxyethira aculea</i>		Insects & other
<i>Oxyethira aeola</i>		Insects & other
<i>Oxyethira arizona</i>	A Caddisfly	Insects & other
<i>Oxyethira dualis</i>	A Caddisfly	Insects & other
<i>Oxyethira pallida</i>	A Caddisfly	Insects & other
<i>Oxypolis occidentalis</i>	Western Cowbane	Plants
<i>Oxyura jamaicensis</i>	Ruddy Duck	Birds
<i>Pachydiplax longipennis</i>	Blue Dasher	Insects & other
<i>Pacifastacus connectens</i>		Crustaceans
<i>Pacifastacus fortis</i>	Shasta Crayfish	Crustaceans
<i>Pacifastacus gambelii</i>	Pilose Crayfish	Crustaceans
<i>Pacifastacus leniusculus klamathensis</i>	Klamath Signal Crayfish	Crustaceans
<i>Pacifastacus leniusculus leniusculus</i>	Signal Crayfish	Crustaceans

<i>Pacifastacus leniusculus trowbridgii</i>	Columbia River Signal Crayfish	Crustaceans
<i>Pacifastacus nigrescens</i>	Sooty Crayfish	Crustaceans
<i>Palaeagapetus guppyi</i>		Insects & other
<i>Palaeagapetus nearcticus</i>	A Caddisfly	Insects & other
<i>Palaemnema domina</i>		Insects & other
<i>Palaemon macrodactylus</i>		Crustaceans
<i>Palmacorixa buenoi</i>		Insects & other
<i>Paltothemis lineatipes</i>	Red Rock Skimmer	Insects & other
<i>Pandion haliaetus</i>	Osprey	Birds
<i>Panicum acuminatum acuminatum</i>		Plants
<i>Panicum acuminatum fasciculatum</i>		Plants
<i>Panicum acuminatum lindheimeri</i>		Plants
<i>Panicum acuminatum thermale</i>		Plants
<i>Panicum dichotomiflorum</i>	NA	Plants
<i>Pantala flavescens</i>	Wandering Glider	Insects & other
<i>Pantala hymenaea</i>	Spot-winged Glider	Insects & other
<i>Paracapnia baumanni</i>	A Stonefly	Insects & other
<i>Paracapnia boris</i>	A Stonefly	Insects & other
<i>Paracapnia disala</i>	Dirty Snowfly	Insects & other
<i>Paracapnia ensicala</i>		Insects & other
<i>Paracapnia humboldta</i>	A Stonefly	Insects & other
<i>Parachaetocladius imberbus</i>		Insects & other
<i>Parachironomus abortivus</i>		Insects & other
<i>Parachironomus chaetaolus</i>		Insects & other
<i>Parachironomus directus</i>		Insects & other
<i>Parachironomus frequens</i>		Insects & other
<i>Parachironomus hazelriggi</i>		Insects & other
<i>Parachironomus hirtalatus</i>		Insects & other
<i>Parachironomus tenuicaudatus</i>		Insects & other
<i>Paracladius conversus</i>		Insects & other
<i>Paracladopelma alphaeus</i>		Insects & other
<i>Paracloeodes minutus</i>	A Small Minnow Mayfly	Insects & other
<i>Paracoenia calida</i>	Wilber Springs Shore Fly	Insects & other
<i>Paracymus communis</i>		Insects & other
<i>Paracymus confusus</i>		Insects & other
<i>Paracymus elegans</i>		Insects & other
<i>Paracymus ellipsis</i>		Insects & other
<i>Paracymus restrictus</i>		Insects & other

<i>Paracymus subcupreus</i>		Insects & other
<i>Paracymus tarsalis</i>		Insects & other
<i>Parakiefferiella subaterrima</i>		Insects & other
<i>Paralauterborniella nigrohalteris</i>		Insects & other
<i>Paraleptophlebia altana</i>	A Mayfly	Insects & other
<i>Paraleptophlebia aquilina</i>		Insects & other
<i>Paraleptophlebia associata</i>	A Mayfly	Insects & other
<i>Paraleptophlebia bicornuta</i>		Insects & other
<i>Paraleptophlebia brunneipennis</i>		Insects & other
<i>Paraleptophlebia cachea</i>	A Mayfly	Insects & other
<i>Paraleptophlebia californica</i>	A Mayfly	Insects & other
<i>Paraleptophlebia clara</i>	A Mayfly	Insects & other
<i>Paraleptophlebia debilis</i>	A Mayfly	Insects & other
<i>Paraleptophlebia falcula</i>		Insects & other
<i>Paraleptophlebia gregalis</i>	A Mayfly	Insects & other
<i>Paraleptophlebia helena</i>	A Mayfly	Insects & other
<i>Paraleptophlebia heteronea</i>	A Mayfly	Insects & other
<i>Paraleptophlebia memorialis</i>	A Mayfly	Insects & other
<i>Paraleptophlebia packii</i>	A Mayfly	Insects & other
<i>Paraleptophlebia placeri</i>	A Mayfly	Insects & other
<i>Paraleptophlebia quisquilia</i>	A Mayfly	Insects & other
<i>Paraleptophlebia rufivenosa</i>	A Mayfly	Insects & other
<i>Paraleptophlebia sculleni</i>		Insects & other
<i>Paraleptophlebia temporalis</i>	A Mayfly	Insects & other
<i>Paraleptophlebia vaciva</i>	A Mayfly	Insects & other
<i>Paraleptophlebia zayante</i>	A Mayfly	Insects & other
<i>Paraleuctra divisa</i>	California Needlefly	Insects & other
<i>Paraleuctra forcipata</i>	Bullshorn Needlefly	Insects & other
<i>Paraleuctra occidentalis</i>	Western Needlefly	Insects & other
<i>Paraleuctra projecta</i>		Insects & other
<i>Paraleuctra vershina</i>	Summit Needlefly	Insects & other
<i>Paramerina fragilis</i>		Insects & other
<i>Paramerina smithae</i>		Insects & other
<i>Parametricnemus lundbeckii</i>		Insects & other
<i>Paraperla frontalis</i>	Hyporheic Sallfly	Insects & other
<i>Paraperla wilsoni</i>	Chilliwack Sallfly	Insects & other
<i>Paraphaenocladus exagitans</i>		Insects & other
<i>Paraphaenocladus innasus</i>		Insects & other
<i>Parapholis strigosa</i>	NA	Plants
<i>Parapsyche almota</i>	A Caddisfly	Insects & other
<i>Parapsyche elsis</i>	A Caddisfly	Insects & other

Parapsyche extensa	King's Creek Parapsyche Caddisfly	Insects & other
Parapsyche spinata	A Caddisfly	Insects & other
Parapsyche turbinata	A Caddisfly	Insects & other
Parasimulium crosskeyi		Insects & other
Parasimulium furcatum		Insects & other
Parasimulium species		Insects & other
Parasimulium stonei		Insects & other
Paratanytarsus grimmii		Insects & other
Paratendipes albimanus		Insects & other
Paratendipes basidens		Insects & other
Paratendipes fuscitibia		Insects & other
Paratendipes subaequalis		Insects & other
Paratendipes thermophilus		Insects & other
Paratrichocladus rufiventris		Insects & other
Parnassia cirrata cirrata	Fringed Grass-of-Parnassus	Plants
Parnassia cirrata intermedia		Plants
Parnassia fimbriata fimbriata	Fringed Grass-of-Parnassus	Plants
Parnassia palustris	Marsh Grass-of-Parnassus	Plants
Parnassia parviflora	Small-flower Grass-of-parnassus	Plants
Parochlus kiefferi		Insects & other
Parthina linea	A Caddisfly	Insects & other
Parthina vierra	A Caddisfly	Insects & other
Paspalum distichum	Joint Paspalum	Plants
Patapius spinosus		Insects & other
Pectiantia ovalis	NA	Plants
Pectiantia pentandra		Plants
Pedicularis attollens	NA	Plants
Pedicularis groenlandica	NA	Plants
Pedomoecus sierra	A Caddisfly	Insects & other
Pelecanus erythrorhynchos	American White Pelican	Birds
Pelocoris biimpessus		Insects & other
Peltodytes callosus		Insects & other
Peltodytes dispersus		Insects & other
Peltodytes mexicanus		Insects & other
Peltodytes simplex		Insects & other
Pentacora saratogae		Insects & other
Pentacora signoreti		Insects & other
Pentacora sphacelata		Insects & other
Pentaneura inconspicua		Insects & other
Pentaneura inyoensis		Insects & other
Perideridia bacigalupii	Bacigalupi's Perideridia	Plants



<i>Perideridia bolanderi bolanderi</i>	Bolander's Yampah	Plants
<i>Perideridia bolanderi involucrata</i>	Bolander's Yampah	Plants
<i>Perideridia californica</i>	California Yampah	Plants
<i>Perideridia gairdneri borealis</i>	Gairdner's Yampah	Plants
<i>Perideridia gairdneri gairdneri</i>	Gairdner's Yampah	Plants
<i>Perideridia howellii</i>	Howell's False Caraway	Plants
<i>Perideridia kelloggii</i>	Kellogg's Yampah	Plants
<i>Perideridia lemmonii</i>	Lemmon's Yampah	Plants
<i>Perideridia leptocarpa</i>	Narrow-seeded Yampah	Plants
<i>Perideridia oregana</i>	Oregon Yampah	Plants
<i>Perideridia parishii latifolia</i>	Parish's Yampah	Plants
<i>Perideridia parishii parishii</i>	Parish's Yampah	Plants
<i>Perideridia pringlei</i>	Pringle's Yampah	Plants
<i>Perithemis domitia</i>		Insects & other
<i>Perithemis intensa</i>	Mexican Amberwing	Insects & other
<i>Perithemis tenera</i>		Insects & other
<i>Perlinodes aurea</i>	Longgill Springfly	Insects & other
<i>Perlomyia collaris</i>	Black Needlefly	Insects & other
<i>Perlomyia utahensis</i>	Utah Needlefly	Insects & other
<i>Persicaria amphibia</i>		Plants
<i>Persicaria hydropiper</i>	NA	Plants
<i>Persicaria hydropiperoides</i>		Plants
<i>Persicaria lapathifolia</i>		Plants
<i>Persicaria maculosa</i>	NA	Plants
<i>Persicaria orientalis</i>	NA	Plants
<i>Persicaria pensylvanica</i>	NA	Plants
<i>Persicaria punctata</i>	NA	Plants
<i>Persicaria wallichii</i>	NA	Plants
<i>Petrophila confusalis</i>		Insects & other
<i>Petrophila jaliscalis</i>		Insects & other
<i>Petrophila kearfottalis</i>		Insects & other
<i>Phacelia distans</i>	NA	Plants
<i>Phaenopsectra dyari</i>		Insects & other
<i>Phaenopsectra flavipes</i>		Insects & other
<i>Phaenopsectra mortensoni</i>		Insects & other
<i>Phaenopsectra pilicellata</i>		Insects & other
<i>Phaenopsectra profusa</i>		Insects & other
<i>Phalacrocorax auritus</i>	Double-crested Cormorant	Birds
<i>Phalacroseris bolanderi</i>	NA	Plants
<i>Phalaris arundinacea</i>	Reed Canarygrass	Plants
<i>Phalaropus tricolor</i>	Wilson's Phalarope	Birds

<i>Philarectus bergrothi</i>		Insects & other
<i>Philocasca demita</i>		Insects & other
<i>Philocasca oron</i>		Insects & other
<i>Philocasca rivularis</i>	A Caddisfly	Insects & other
<i>Philorus californica</i>	A Net-winged Midge	Insects & other
<i>Philorus jacinto</i>	A Net-winged Midge	Insects & other
<i>Philorus vanduzeei</i>	A Net-winged Midge	Insects & other
<i>Philorus yosemite</i>	A Net-winged Midge	Insects & other
<i>Phragmites australis australis</i>	Common Reed	Plants
<i>Phreatobrachypoda robusta</i>		Insects & other
<i>Phryganea cinerea</i>	A Caddisfly	Insects & other
<i>Phyla lanceolata</i>	Fog-fruit	Plants
<i>Phyla nodiflora</i>	Common Frog-fruit	Plants
<i>Phylloicus aeneus</i>		Insects & other
<i>Phylloicus mexicanus</i>		Insects & other
<i>Phyllospadix scouleri</i>	Scouler's Surf-grass	Plants
<i>Phyllospadix torreyi</i>	Torrey's Surf-grass	Plants
<i>Physa acuta</i>	Pewter Physa	Mollusks
<i>Physa gyrina</i>	Tadpole Physa	Mollusks
<i>Physella boucardi</i>	Desert Physa	Mollusks
<i>Physella cooperi</i>	Olive Physa	Mollusks
<i>Physella costata</i>	Ornate Physa	Mollusks
<i>Physella humerosa</i>	Corkscrew Physa	Mollusks
<i>Physella lordi</i>	Twisted Physa	Mollusks
<i>Physella osculans</i>	Cayuse Physa	Mollusks
<i>Physella propinqua</i>	Rocky Mountain Physa	Mollusks
<i>Physella traski</i>	Sculpted Physa	Mollusks
<i>Physella virgata</i>	Protean Physa	Mollusks
<i>Physella virginea</i>	Sunset Physa	Mollusks
<i>Physemus minutus</i>		Insects & other
<i>Pilularia americana</i>	NA	Plants
<i>Pinguicula macroceras</i>	NA	Plants
<i>Pipilo aberti</i>	Abert's Towhee	Birds
<i>Pipilo crissalis eremophilus</i>	Inyo California Towhee	Birds
<i>Piranga rubra</i>	Summer Tanager	Birds
<i>Pisidium casertanum</i>		Mollusks
<i>Pisidium compressum</i>		Mollusks
<i>Pisidium idahoense</i>		Mollusks
<i>Pisidium lilljeborgi</i>		Mollusks
<i>Pisidium nitidum</i>		Mollusks
<i>Pisidium subtruncatum</i>		Mollusks

<i>Pisidium ultramontanum</i>	Montane Peaclam	Mollusks
<i>Pisidium variabile</i>		Mollusks
<i>Pisidium walkeri</i>		Mollusks
<i>Plagiobothrys acanthocarpus</i>	Adobe Popcorn-flower	Plants
<i>Plagiobothrys austiniae</i>	Austin's Popcorn-flower	Plants
<i>Plagiobothrys chorisianus</i>	NA	Plants
<i>Plagiobothrys distantiflorus</i>	California Popcorn-flower	Plants
<i>Plagiobothrys glaber</i>	Hairless Allocarya	Plants
<i>Plagiobothrys greenei</i>	Greene's Popcorn-flower	Plants
<i>Plagiobothrys humistratus</i>	Dwarf Popcorn-flower	Plants
<i>Plagiobothrys leptocladus</i>	Alkali Popcorn-flower	Plants
<i>Plagiobothrys nitens</i>		Plants
<i>Plagiobothrys parishii</i>	Parish's Popcorn-flower	Plants
<i>Plagiobothrys reticulatus reticulatus</i>		Plants
<i>Plagiobothrys reticulatus rossianorum</i>		Plants
<i>Plagiobothrys tener</i>	NA	Plants
<i>Plagiobothrys undulatus</i>	NA	Plants
<i>Planorbella binneyi</i>	Coarse Rams-horn	Mollusks
<i>Planorbella occidentalis</i>	Fine-lined Rams-horn	Mollusks
<i>Planorbella subcrenata</i>	Rough Rams-horn	Mollusks
<i>Planorbella tenuis</i>	Mexican Rams-horn	Mollusks
<i>Planorbella traski</i>	Keeled Rams-horn	Mollusks
<i>Planorbella trivolvis</i>	Marsh Rams-horn	Mollusks
<i>Plantago elongata elongata</i>	Slender Plantain	Plants
<i>Platanthera dilatata leucostachys</i>		Plants
<i>Platanthera sparsiflora sparsiflora</i>	Canyon Bog Orchid	Plants
<i>Platanthera stricta</i>	Slender Bog Orchid	Plants
<i>Platanthera tescamnis</i>	NA	Plants
<i>Platanthera yosemitensis</i>	Yosemite Bog-Orchid	Plants
<i>Platanus racemosa</i>	California Sycamore	Plants
<i>Plathemis lydia</i>	Common Whitetail	Insects & other
<i>Plathemis subornata</i>	Desert Whitetail	Insects & other
<i>Platyhydracarus juliani</i>		Insects & other
<i>Platyhydracarus parvipalpis</i>		Insects & other
<i>Platyvelia beameri</i>		Insects & other
<i>Platyvelia brachialis</i>		Insects & other
<i>Platyvelia summersi</i>		Insects & other
<i>Plauditus punctiventris</i>		Insects & other
<i>Plegadis chihi</i>	White-faced Ibis	Birds

<i>Plethodon dunnii</i>	Dunn's Salamander	Herps
<i>Pleuropogon californicus californicus</i>		Plants
<i>Pleuropogon californicus davyi</i>		Plants
<i>Pleuropogon hooverianus</i>	North Coast False Semaphore Grass	Plants
<i>Pleuropogon refractus</i>	Nodding False Semaphore Grass	Plants
<i>Pluchea odorata odorata</i>	Scented Conyza	Plants
<i>Pluchea sericea</i>	Arrow-weed	Plants
<i>Plumiperla diversa</i>	Margined Sallfly	Insects & other
<i>Plumiperla spinosa</i>	Spiny Sallfly	Insects & other
<i>Pluvialis squatarola</i>	Black-bellied Plover	Birds
<i>Podiceps nigricollis</i>	Eared Grebe	Birds
<i>Podilymbus podiceps</i>	Pied-billed Grebe	Birds
<i>Podmosta decepta</i>		Insects & other
<i>Podmosta delicatula</i>	Delicate Forestfly	Insects & other
<i>Podmosta obscura</i>		Insects & other
<i>Pogogyne abramsii</i>	San Diego Mesamint	Plants
<i>Pogogyne douglasii</i>	NA	Plants
<i>Pogogyne floribunda</i>	Profuse-flowered Pogogyne	Plants
<i>Pogogyne nudiuscula</i>	Otay Mesamint	Plants
<i>Pogogyne zizyphoroides</i>		Plants
<i>Pogonichthys ciscoides</i>	Clear Lake Splittail	Fishes
<i>Pogonichthys macrolepidotus</i>	Sacramento splittail	Fishes
<i>Polycentropus arizonensis</i>		Insects & other
<i>Polycentropus aztecus</i>		Insects & other
<i>Polycentropus cinereus</i>		Insects & other
<i>Polycentropus denningi</i>		Insects & other
<i>Polycentropus flavus</i>	A Caddisfly	Insects & other
<i>Polycentropus gertschi</i>		Insects & other
<i>Polycentropus halidus</i>	A Caddisfly	Insects & other
<i>Polycentropus variegatus</i>	A Caddisfly	Insects & other
<i>Polygonum marinense</i>	Marin Knotweed	Plants
<i>Polypedilum albicorne</i>		Insects & other
<i>Polypedilum albinodus</i>		Insects & other
<i>Polypedilum angustum</i>		Insects & other
<i>Polypedilum apicatum</i>		Insects & other
<i>Polypedilum artifer</i>		Insects & other
<i>Polypedilum aviceps</i>		Insects & other
<i>Polypedilum braseniae</i>		Insects & other
<i>Polypedilum californicum</i>		Insects & other
<i>Polypedilum cinctum</i>		Insects & other

<i>Polypedilum cultellatum</i>		Insects & other
<i>Polypedilum digitifer</i>		Insects & other
<i>Polypedilum halterale</i>		Insects & other
<i>Polypedilum illinoense</i>		Insects & other
<i>Polypedilum isocerus</i>		Insects & other
<i>Polypedilum labeculosum</i>		Insects & other
<i>Polypedilum laetum</i>		Insects & other
<i>Polypedilum obelos</i>		Insects & other
<i>Polypedilum ophioides</i>		Insects & other
<i>Polypedilum parvum</i>		Insects & other
<i>Polypedilum pedatum</i>		Insects & other
<i>Polypedilum pterospilus</i>		Insects & other
<i>Polypedilum scalaenum</i>		Insects & other
<i>Polypedilum sulaceps</i>		Insects & other
<i>Polypedilum trigonus</i>		Insects & other
<i>Polypedilum tritum</i>		Insects & other
<i>Polypedilum vibex</i>		Insects & other
<i>Polyplectropus charlesi</i>		Insects & other
<i>Pomacea bridgesii</i>		Mollusks
<i>Pomacea paludosa</i>		Mollusks
<i>Pomatiopsis binneyi</i>	Robust Walker	Mollusks
<i>Pomatiopsis californica</i>	Pacific Walker	Mollusks
<i>Pomatiopsis chacei</i>	Marsh Walker	Mollusks
<i>Pomoleuctra andersoni</i>	Oregon Needlefly	Insects & other
<i>Pomoleuctra purcellana</i>		Insects & other
<i>Populus trichocarpa</i>	NA	Plants
<i>Porterella carnosula</i>	Western Porterella	Plants
<i>Porzana carolina</i>	Sora	Birds
<i>Postelichus confluentus</i>		Insects & other
<i>Postelichus immsi</i>		Insects & other
<i>Postelichus productus</i>		Insects & other
<i>Potamogeton alpinus</i>	Northern Pondweed	Plants
<i>Potamogeton amplifolius</i>	Largeleaf Pondweed	Plants
<i>Potamogeton berchtoldii</i>	NA	Plants
<i>Potamogeton diversifolius</i>	Water-thread Pondweed	Plants
<i>Potamogeton epihydrus</i>	Nuttall's Pondweed	Plants
<i>Potamogeton foliosus fibrillosus</i>	Fibrous Pondweed	Plants
<i>Potamogeton foliosus foliosus</i>	Leafy Pondweed	Plants
<i>Potamogeton gramineus</i>	Grassy Pondweed	Plants
<i>Potamogeton illinoensis</i>	Illinois Pondweed	Plants
<i>Potamogeton natans</i>	Floating Pondweed	Plants

Potamogeton nodosus	Longleaf Pondweed	Plants
Potamogeton praelongus	White-stem Pondweed	Plants
Potamogeton pusillus pusillus	Slender Pondweed	Plants
Potamogeton richardsonii	Richardson's Pondweed	Plants
Potamogeton robbinsii	Flatleaf Pondweed	Plants
Potamogeton zosteriformis	Flatstem Pondweed	Plants
Potentilla anserina anserina		Plants
Potentilla anserina pacifica		Plants
Potentilla multijuga	Ballona Cinquefoil	Plants
Potentilla newberryi	Newberry's Cinquefoil	Plants
Potentilla uliginosa	Cunningham Marsh cinquefoil	Plants
Primula jeffreyi		Plants
Primula pauciflora		Plants
Primula subalpina		Plants
Primula tetrandra	NA	Plants
Prionocera oregonica		Insects & other
Pristinicola hemphilli	Pristine Pyrg	Mollusks
Procladius barbatulus		Insects & other
Procladius bellus		Insects & other
Procladius culiciformis		Insects & other
Procladius denticulatus		Insects & other
Procladius freemani		Insects & other
Procladius sublettei		Insects & other
Procloeon pennulatum	A Mayfly	Insects & other
Procloeon rivulare	A Mayfly	Insects & other
Procloeon venosum	A Mayfly	Insects & other
Progomphus borealis	Gray Sanddragon	Insects & other
Promenetus exacuus	Sharp Sprite	Mollusks
Promenetus umbilicatellus	Umbilicate Sprite	Mollusks
Prosimulium caudatum		Insects & other
Prosimulium constrictistylum		Insects & other
Prosimulium davesi		Insects & other
Prosimulium dicentum		Insects & other
Prosimulium dicum		Insects & other
Prosimulium esselbaughi		Insects & other
Prosimulium exigens		Insects & other
Prosimulium flaviantennus		Insects & other
Prosimulium formosum		Insects & other
Prosimulium frohnei		Insects & other
Prosimulium fulvithorax		Insects & other
Prosimulium fulvum		Insects & other

Prosimulium idemai		Insects & other
Prosimulium imposter		Insects & other
Prosimulium longirostrum		Insects & other
Prosimulium minifulvum		Insects & other
Prosimulium rusticum		Insects & other
Prosimulium secretum		Insects & other
Prosimulium shewelli		Insects & other
Prosimulium travisi		Insects & other
Prosimulium uinta		Insects & other
Prosimulium unicum		Insects & other
Prosopium williamsoni	Mountain whitefish	Fishes
Prostoia besametsa	Bended Forestfly	Insects & other
Protanyderus margarita		Insects & other
Protanyderus vanduzeei		Insects & other
Protanyderus vipio		Insects & other
Protochauliodes aridus		Insects & other
Protochauliodes cascadius		Insects & other
Protochauliodes minimus		Insects & other
Protochauliodes montivagus		Insects & other
Protochauliodes simplus		Insects & other
Protochauliodes spenceri		Insects & other
Protoptila balmorhea		Insects & other
Protoptila coloma	A Caddisfly	Insects & other
Protoptila erotica		Insects & other
Psectrocladius barbimanus		Insects & other
Psectrocladius spinifer		Insects & other
Psectrocladius vernalis		Insects & other
Psectrotanypus dyari		Insects & other
Psephenus arizonensis		Insects & other
Psephenus falli		Insects & other
Psephenus minckleyi		Insects & other
Psephenus montanus		Insects & other
Psephenus murvoshi		Insects & other
Pseudacris cadaverina	California Treefrog	Herps
Pseudacris hypochondriaca	Baja California Treefrog	Herps
Pseudacris regilla	Northern Pacific Chorus Frog	Herps
Pseudacris sierra	Sierran Treefrog	Herps
Pseudiron centralis	White Sand-river Mayfly	Insects & other
Pseudochironomus richardsoni		Insects & other
Pseudocloeon apache		Insects & other
Pseudocloeon propinquum	A Mayfly	Insects & other

<i>Pseudocorixa beameri</i>		Insects & other
<i>Pseudodiamesa branickii</i>		Insects & other
<i>Pseudoleon superbus</i>		Insects & other
<i>Pseudorthocladius dumicaudus</i>		Insects & other
<i>Pseudorthocladius uniserratus</i>		Insects & other
<i>Pseudosmittia forcipata</i>		Insects & other
<i>Pseudosmittia nanseni</i>		Insects & other
<i>Pseudostenophylax edwardsi</i>	A Caddisfly	Insects & other
<i>Psilocarphus brevissimus brevissimus</i>	Dwarf Woolly-heads	Plants
<i>Psilocarphus brevissimus multiflorus</i>	Delta Woolly Marbles	Plants
<i>Psilocarphus oregonus</i>	Oregon Woolly-heads	Plants
<i>Psilocarphus tenellus</i>	NA	Plants
<i>Psorophora columbiae</i>		Insects & other
<i>Psorophora discolor</i>		Insects & other
<i>Psorophora howardii</i>		Insects & other
<i>Psorophora signipennis</i>		Insects & other
<i>Psychoglypha alascensis</i>		Insects & other
<i>Psychoglypha avigo</i>	A Caddisfly	Insects & other
<i>Psychoglypha bella</i>	A Caddisfly	Insects & other
<i>Psychoglypha browni</i>		Insects & other
<i>Psychoglypha klamathi</i>	A Caddisfly	Insects & other
<i>Psychoglypha leechi</i>	A Caddisfly	Insects & other
<i>Psychoglypha mazamae</i>	A Caddisfly	Insects & other
<i>Psychoglypha ormiae</i>	A Caddisfly	Insects & other
<i>Psychoglypha prita</i>		Insects & other
<i>Psychoglypha schuhi</i>		Insects & other
<i>Psychoglypha subborealis</i>	A Caddisfly	Insects & other
<i>Psychomyia flavida</i>	A Caddisfly	Insects & other
<i>Psychomyia lumina</i>	A Caddisfly	Insects & other
<i>Psychomyia nomada</i>		Insects & other
<i>Pteronarcella badia</i>		Insects & other
<i>Pteronarcella regularis</i>	Dwarf Salmonfly	Insects & other
<i>Pteronarcys californica</i>	Giant Salmonfly	Insects & other
<i>Pteronarcys princeps</i>	Ebony Salmonfly	Insects & other
<i>Ptychocheilus grandis</i>	Sacramento pikeminnow	Fishes
<i>Ptychocheilus lucius</i>	Colorado Pikeminnow	Fishes
<i>Ptychoptera byersi</i>		Insects & other
<i>Ptychoptera lenis</i>		Insects & other
<i>Ptychoptera minor</i>		Insects & other
<i>Ptychoptera monoensis</i>		Insects & other



<i>Ptychoptera pendula</i>		Insects & other
<i>Ptychoptera sculleni</i>		Insects & other
<i>Ptychoptera townesi</i>		Insects & other
<i>Puccinellia howellii</i>	Trinity Mountains Alkali Grass	Plants
<i>Puccinellia nutkaensis</i>	Alaska Alkaligrass	Plants
<i>Puccinellia nuttalliana</i>	Nuttall's Alkali Grass	Plants
<i>Puccinellia parishii</i>	Parish's Alkali Grass	Plants
<i>Puccinellia pumila</i>		Plants
<i>Puccinellia simplex</i>	Little Alkali Grass	Plants
<i>Pyrgulopsis aardahli</i>	Benton Valley Springsnail	Mollusks
<i>Pyrgulopsis amargosae</i>	Amargosa Springsnail	Mollusks
<i>Pyrgulopsis archimedis</i>	Archimedes Pyrg	Mollusks
<i>Pyrgulopsis californiensis</i>	Laguna Mountain Springsnail	Mollusks
<i>Pyrgulopsis castaicensis</i>	A Freshwater Snail	Mollusks
<i>Pyrgulopsis cinerana</i>	Ash Valley Pyrg	Mollusks
<i>Pyrgulopsis diablensis</i>	Diablo Range Pyrg	Mollusks
<i>Pyrgulopsis eremica</i>	Smoke Creek Pyrg	Mollusks
<i>Pyrgulopsis falciglans</i>	Likely Pyrg	Mollusks
<i>Pyrgulopsis gibba</i>	Surprise Valley Pyrg	Mollusks
<i>Pyrgulopsis giuliani</i>	Southern Sierra Nevada Springsnail	Mollusks
<i>Pyrgulopsis greggi</i>	Kern River Pyrg	Mollusks
<i>Pyrgulopsis intermedia</i>	Crooked Creek Springsnail	Mollusks
<i>Pyrgulopsis lasseni</i>	Willow Creek Pyrg	Mollusks
<i>Pyrgulopsis licina</i>		Mollusks
<i>Pyrgulopsis longae</i>	Long Valley Pyrg	Mollusks
<i>Pyrgulopsis longinqua</i>	Salton Sea Springsnail	Mollusks
<i>Pyrgulopsis micrococcus</i>	Oasis Valley Springsnail	Mollusks
<i>Pyrgulopsis milleri</i>	A Freshwater Snail	Mollusks
<i>Pyrgulopsis owensensis</i>	Owens Valley Springsnail	Mollusks
<i>Pyrgulopsis perforata</i>		Mollusks
<i>Pyrgulopsis perturbata</i>	Fish Slough Springsnail	Mollusks
<i>Pyrgulopsis rupinicola</i>	Sucker Springs Pyrg	Mollusks
<i>Pyrgulopsis sanchezi</i>		Mollusks
<i>Pyrgulopsis stearnsiana</i>	Yaqui Springsnail	Mollusks
<i>Pyrgulopsis taylori</i>	San Luis Obispo Pyrg	Mollusks
<i>Pyrgulopsis turbatrix</i>	Southeast Nevada Pyrg	Mollusks
<i>Pyrgulopsis ventricosa</i>	Clear Lake Pyrg	Mollusks
<i>Pyrgulopsis wongi</i>	Wong's Springsnail	Mollusks
<i>Radotanypus submarginella</i>		Insects & other
<i>Rallus limicola</i>	Virginia Rail	Birds
<i>Rallus longirostris yumanensis</i>	Yuma Clapper Rail	Birds

Ramellogammarus californicus		Crustaceans
Ramellogammarus campestris		Crustaceans
Ramellogammarus columbianus		Crustaceans
Ramellogammarus littoralis		Crustaceans
Ramellogammarus oregonensis		Crustaceans
Ramellogammarus ramellus		Crustaceans
Ramellogammarus similimanus		Crustaceans
Ramphocorixa rotundocephala		Insects & other
Rana aurora	Northern Red-legged Frog	Herps
Rana boylii	Foothill Yellow-legged Frog	Herps
Rana cascadae	Cascades Frog	Herps
Rana draytonii	California Red-legged Frog	Herps
Rana muscosa	Southern Mountain Yellow-legged Frog	Herps
Rana pretiosa	Oregon Spotted Frog	Herps
Rana sierrae	Sierra Nevada Yellow-legged Frog	Herps
Ranatra brevicollis	A Water Scorpion	Insects & other
Ranatra fusca		Insects & other
Ranatra montezuma		Insects & other
Ranatra quadridentata		Insects & other
Ranunculus alismifolius alismellus	Water-plantain Buttercup	Plants
Ranunculus alismifolius alismifolius	Water-plantain Buttercup	Plants
Ranunculus alismifolius hartwegii		Plants
Ranunculus alismifolius lemmonii		Plants
Ranunculus andersonii andersonii	Anderson's Buttercup	Plants
Ranunculus aquatilis aquatilis	White Water Buttercup	Plants
Ranunculus aquatilis diffusus		Plants
Ranunculus bonariensis	NA	Plants
Ranunculus flabellaris	Yellow Water-crowfoot	Plants
Ranunculus flammula flammula	Lesser Spearwort	Plants
Ranunculus flammula ovalis		Plants
Ranunculus hydrocharoides	NA	Plants
Ranunculus hystriculus		Plants
Ranunculus lobbii	Lobb's Water Buttercup	Plants
Ranunculus macounii	Macoun's Buttercup	Plants
Ranunculus populago	Mountain Buttercup	Plants
Ranunculus pusillus pusillus	Pursh's Buttercup	Plants
Ranunculus repens	NA	Plants

<i>Ranunculus sardous</i>	NA	Plants
<i>Ranunculus sceleratus</i>	NA	Plants
<i>Recurvirostra americana</i>	American Avocet	Birds
<i>Remartinia luteipennis</i>		Insects & other
<i>Reomyia wartinbei</i>		Insects & other
<i>Rhagovelia becki</i>		Insects & other
<i>Rhagovelia choreutes</i>		Insects & other
<i>Rhagovelia distincta</i>		Insects & other
<i>Rhagovelia varipes</i>		Insects & other
<i>Rhamnus alnifolia</i>	Alderleaf Buckthorn	Plants
<i>Rhantus anisonychus</i>		Insects & other
<i>Rhantus atricolor</i>		Insects & other
<i>Rhantus binotatus</i>		Insects & other
<i>Rhantus consimilis</i>		Insects & other
<i>Rhantus gutticollis</i>		Insects & other
<i>Rhantus sericans</i>		Insects & other
<i>Rhantus wallisi</i>		Insects & other
<i>Rheotanytarsus hamatus</i>		Insects & other
<i>Rheumatobates hungerfordi</i>		Insects & other
<i>Rhinichthys osculus klamathensis</i>	Klamath speckled dace	Fishes
<i>Rhinichthys osculus nevadensis</i>	Amargosa Canyon speckled dace	Fishes
<i>Rhinichthys osculus robustus</i>	Lahontan speckled dace	Fishes
<i>Rhinichthys osculus</i> ssp. 1	Sacramento speckled dace	Fishes
<i>Rhinichthys osculus</i> ssp. 2	Owens speckled dace	Fishes
<i>Rhinichthys osculus</i> ssp. 3	Long Valley speckled dace	Fishes
<i>Rhinichthys osculus</i> ssp. 4	Santa Ana speckled dace	Fishes
<i>Rhionaeschna californica</i>	California Darner	Insects & other
<i>Rhionaeschna multicolor</i>	Blue-eyed Darner	Insects & other
<i>Rhionaeschna dugesi</i>		Insects & other
<i>Rhionaeschna psillus</i>		Insects & other
<i>Rhithrogena decora</i>	A Mayfly	Insects & other
<i>Rhithrogena flavianula</i>	A Mayfly	Insects & other
<i>Rhithrogena hageni</i>	A Mayfly	Insects & other
<i>Rhithrogena morrisoni</i>	A Mayfly	Insects & other
<i>Rhithrogena plana</i>	A Mayfly	Insects & other
<i>Rhithrogena robusta</i>	A Mayfly	Insects & other
<i>Rhithrogena undulata</i>	A Mayfly	Insects & other
<i>Rhithrogena virilis</i>		Insects & other
<i>Rhizelmis nigra</i>		Insects & other
<i>Rhododendron columbianum</i>		Plants

<i>Rhododendron occidentale occidentale</i>	Western Azalea	Plants
<i>Rhyacophila acuminata</i>	A Caddisfly	Insects & other
<i>Rhyacophila alberta</i>		Insects & other
<i>Rhyacophila amabilis</i>	Castle Lake Rhyacophilan Caddisfly	Insects & other
<i>Rhyacophila angelita</i>	A Caddisfly	Insects & other
<i>Rhyacophila arcella</i>	A Caddisfly	Insects & other
<i>Rhyacophila ardala</i>	A Caddisfly	Insects & other
<i>Rhyacophila arnaudi</i>	A Caddisfly	Insects & other
<i>Rhyacophila balosa</i>	A Caddisfly	Insects & other
<i>Rhyacophila basalis</i>	A Caddisfly	Insects & other
<i>Rhyacophila betteni</i>	A Caddisfly	Insects & other
<i>Rhyacophila bifila</i>	A Caddisfly	Insects & other
<i>Rhyacophila blarina</i>		Insects & other
<i>Rhyacophila californica</i>	A Caddisfly	Insects & other
<i>Rhyacophila cerita</i>	A Caddisfly	Insects & other
<i>Rhyacophila chandleri</i>	A Caddisfly	Insects & other
<i>Rhyacophila chilsia</i>		Insects & other
<i>Rhyacophila chordata</i>	A Caddisfly	Insects & other
<i>Rhyacophila colonus</i>	Obrien Rhyacophilan Caddisfly	Insects & other
<i>Rhyacophila coloradensis</i>	A Caddisfly	Insects & other
<i>Rhyacophila darbyi</i>	A Caddisfly	Insects & other
<i>Rhyacophila ebria</i>		Insects & other
<i>Rhyacophila ecosa</i>	A Caddisfly	Insects & other
<i>Rhyacophila fenderi</i>	Fender's Rhyacophilan Caddisfly	Insects & other
<i>Rhyacophila grandis</i>	A Caddisfly	Insects & other
<i>Rhyacophila haddocki</i>		Insects & other
<i>Rhyacophila harmstoni</i>	A Caddisfly	Insects & other
<i>Rhyacophila hyalinata</i>	A Caddisfly	Insects & other
<i>Rhyacophila inculta</i>	A Caddisfly	Insects & other
<i>Rhyacophila insularis</i>	A Caddisfly	Insects & other
<i>Rhyacophila iranda</i>		Insects & other
<i>Rhyacophila jenniferae</i>	A Caddisfly	Insects & other
<i>Rhyacophila jewetti</i>	A Caddisfly	Insects & other
<i>Rhyacophila karila</i>	A Caddisfly	Insects & other
<i>Rhyacophila kernada</i>	A Caddisfly	Insects & other
<i>Rhyacophila kincaidi</i>		Insects & other
<i>Rhyacophila leechi</i>	A Caddisfly	Insects & other
<i>Rhyacophila lineata</i>	Castle Crags Rhyacophilan Caddisfly	Insects & other
<i>Rhyacophila lurella</i>	A Caddisfly	Insects & other
<i>Rhyacophila malkini</i>		Insects & other

Rhyacophila mosana	Bilobed Rhyacophilan Caddisfly	Insects & other
Rhyacophila narvae	A Caddisfly	Insects & other
Rhyacophila neograndis	A Caddisfly	Insects & other
Rhyacophila nevadensis	A Caddisfly	Insects & other
Rhyacophila norcuta	A Caddisfly	Insects & other
Rhyacophila oreta	A Caddisfly	Insects & other
Rhyacophila pellisa	A Caddisfly	Insects & other
Rhyacophila perda		Insects & other
Rhyacophila perplana		Insects & other
Rhyacophila pichaca		Insects & other
Rhyacophila rayneri	A Caddisfly	Insects & other
Rhyacophila reyesi	A Caddisfly	Insects & other
Rhyacophila rotunda	A Caddisfly	Insects & other
Rhyacophila sequoia	A Caddisfly	Insects & other
Rhyacophila sierra	A Caddisfly	Insects & other
Rhyacophila siskiyou	A Caddisfly	Insects & other
Rhyacophila spinata	Spiny Rhyacophilan Caddisfly	Insects & other
Rhyacophila starki	A Caddisfly	Insects & other
Rhyacophila tamalpaisi	A Caddisfly	Insects & other
Rhyacophila tehama	A Caddisfly	Insects & other
Rhyacophila tralala		Insects & other
Rhyacophila tucula	A Caddisfly	Insects & other
Rhyacophila unipunctata		Insects & other
Rhyacophila vaccua	A Caddisfly	Insects & other
Rhyacophila vaefes	A Caddisfly	Insects & other
Rhyacophila vagrita		Insects & other
Rhyacophila valuma	A Caddisfly	Insects & other
Rhyacophila vao	A Caddisfly	Insects & other
Rhyacophila vedra	A Caddisfly	Insects & other
Rhyacophila velora	A Caddisfly	Insects & other
Rhyacophila vemna		Insects & other
Rhyacophila verrula	A Caddisfly	Insects & other
Rhyacophila vetina		Insects & other
Rhyacophila viquaea		Insects & other
Rhyacophila visor		Insects & other
Rhyacophila vobara		Insects & other
Rhyacophila vocala	A Caddisfly	Insects & other
Rhyacophila vuzana	A Caddisfly	Insects & other
Rhyacophila willametta		Insects & other
Rhyacotriton variegatus	Southern Torrent Salamander	Herps
Rhynchospora alba	White Beakrush	Plants

<i>Rhynchospora californica</i>	California Beakrush	Plants
<i>Rhynchospora capitellata</i>	Brownish Beakrush	Plants
<i>Rhynchospora globularis</i>	NA	Plants
<i>Richardsonius egregius</i>	Lahontan redbreast	Fishes
<i>Rickeria sorpta</i>	Palestripe Springfly	Insects & other
<i>Riparia riparia</i>	Bank Swallow	Birds
<i>Robackia demeijeri</i>		Insects & other
<i>Rorippa columbiae</i>	Columbia Yellowcress	Plants
<i>Rorippa curvipes</i>	Rocky Mountain Yellowcress	Plants
<i>Rorippa curvisiliqua curvisiliqua</i>	Curve-pod Yellowcress	Plants
<i>Rorippa palustris palustris</i>	Bog Yellowcress	Plants
<i>Rorippa sphaerocarpa</i>	Round-fruit Yellowcress	Plants
<i>Rorippa subumbellata</i>	Tahoe Yellowcress	Plants
<i>Rotala ramosior</i>	Toothcup	Plants
<i>Rudbeckia klamathensis</i>		Plants
<i>Rumex britannica</i>	NA	Plants
<i>Rumex californicus</i>		Plants
<i>Rumex conglomeratus</i>	NA	Plants
<i>Rumex crassus</i>		Plants
<i>Rumex fueginus</i>		Plants
<i>Rumex kernerii</i>	NA	Plants
<i>Rumex lacustris</i>		Plants
<i>Rumex occidentalis</i>		Plants
<i>Rumex persicarioides</i>		Plants
<i>Rumex salicifolius salicifolius</i>	Willow Dock	Plants
<i>Rumex stenophyllus</i>	NA	Plants
<i>Rumex transitorius</i>		Plants
<i>Rumex triangulivalvis</i>		Plants
<i>Rumex utahensis</i>		Plants
<i>Rumex violascens</i>	Violet Dock	Plants
<i>Rupisalda dewsi</i>		Insects & other
<i>Rupisalda saxicola</i>		Insects & other
<i>Rupisalda teretis</i>		Insects & other
<i>Ruppia cirrhosa</i>	Widgeon-grass	Plants
<i>Ruppia maritima</i>	Ditch-grass	Plants
<i>Rynchops niger</i>	Black Skimmer	Birds
<i>Sagina saginoides</i>	Arctic Pearlwort	Plants
<i>Sagittaria cuneata</i>	Wapatum Arrowhead	Plants
<i>Sagittaria latifolia latifolia</i>	Broadleaf Arrowhead	Plants
<i>Sagittaria longiloba</i>	Longbarb Arrowhead	Plants
<i>Sagittaria montevidensis</i>		Plants

calycina		
Sagittaria sanfordii	Sanford's Arrowhead	Plants
Salda buenoi		Insects & other
Salda littoralis		Insects & other
Salda lugubris		Insects & other
Salda obscura		Insects & other
Salda provancheri		Insects & other
Saldula andrei		Insects & other
Saldula balli		Insects & other
Saldula basingeri		Insects & other
Saldula comatula		Insects & other
Saldula dispersa		Insects & other
Saldula explanata		Insects & other
Saldula laticollis		Insects & other
Saldula lattini		Insects & other
Saldula luctuosa		Insects & other
Saldula nigrita		Insects & other
Saldula opacula		Insects & other
Saldula opiparia		Insects & other
Saldula orbiculata		Insects & other
Saldula pallipes		Insects & other
Saldula palustris		Insects & other
Saldula pexa		Insects & other
Saldula saltatoria		Insects & other
Saldula severini		Insects & other
Saldula sulcicollis		Insects & other
Saldula usingeri	Wilbur Springs Shorebug	Insects & other
Saldula villosa		Insects & other
Salicornia bigelovii	Dwarf Glasswort	Plants
Salicornia rubra	Western Glasswort	Plants
Salix babylonica	NA	Plants
Salix boothii	Booth's Willow	Plants
Salix breweri	Brewer's Willow	Plants
Salix delnortensis	Del Norte Willow	Plants
Salix drummondiana	Satiny Salix	Plants
Salix eastwoodiae	Eastwood's Willow	Plants
Salix exigua exigua	Narrowleaf Willow	Plants
Salix exigua hindsiana		Plants
Salix geyeriana	Geyer's Willow	Plants
Salix gooddingii	Goodding's Willow	Plants
Salix hookeriana	Hooker's Willow	Plants

<i>Salix jepsonii</i>	Jepson's Willow	Plants
<i>Salix laevigata</i>	Polished Willow	Plants
<i>Salix lasiandra caudata</i>		Plants
<i>Salix lasiandra lasiandra</i>		Plants
<i>Salix lasiolepis lasiolepis</i>	Arroyo Willow	Plants
<i>Salix lemmonii</i>	Lemmon's Willow	Plants
<i>Salix lutea</i>	Yellow Willow	Plants
<i>Salix melanopsis</i>	Dusky Willow	Plants
<i>Salix planifolia</i>	NA	Plants
<i>Salix prolixa</i>	Mackenzie's Willow	Plants
<i>Salix purpurea</i>	NA	Plants
<i>Salix sitchensis</i>	Sitka Willow	Plants
<i>Salix tracyi</i>		Plants
<i>Salmasellus howarthi</i>		Crustaceans
<i>Salmoperla sylvanica</i>	Bighead Springfly	Insects & other
<i>Salvelinus confluentus</i>	Bull Trout	Fishes
<i>Salvinia minima</i>	NA	Plants
<i>Salvinia oblongifolia</i>	NA	Plants
<i>Samolus parviflorus</i>	NA	Plants
<i>Sanfilippodytes adelardi</i>	A Predaceous Diving Beetle	Insects & other
<i>Sanfilippodytes barbarae</i>		Insects & other
<i>Sanfilippodytes barbarensis</i>		Insects & other
<i>Sanfilippodytes belfragei</i>		Insects & other
<i>Sanfilippodytes bidessoides</i>	A Predaceous Diving Beetle	Insects & other
<i>Sanfilippodytes corvallis</i>		Insects & other
<i>Sanfilippodytes hardyi</i>		Insects & other
<i>Sanfilippodytes kingi</i>		Insects & other
<i>Sanfilippodytes latebrosus</i>		Insects & other
<i>Sanfilippodytes malkini</i>		Insects & other
<i>Sanfilippodytes palliatus</i>		Insects & other
<i>Sanfilippodytes rossi</i>		Insects & other
<i>Sanfilippodytes setifer</i>	A Predaceous Diving Beetle	Insects & other
<i>Sanfilippodytes terminalis</i>		Insects & other
<i>Sanfilippodytes veronicae</i>		Insects & other
<i>Sanfilippodytes vilis</i>		Insects & other
<i>Sanfilippodytes williami</i>		Insects & other
<i>Sarracenia purpurea</i>	NA	Plants
<i>Sasquaperla hoopa</i>	A Stonefly	Insects & other
<i>Scaphiopus couchii</i>	Couch's Spadefoot	Herps
<i>Scheuchzeria palustris</i>	Pod Grass	Plants
<i>Schoenoplectus acutus acutus</i>	NA	Plants



Schoenoplectus acutus occidentalis	Hardstem Bulrush	Plants
Schoenoplectus americanus	Three-square Bulrush	Plants
Schoenoplectus californicus	California Bulrush	Plants
Schoenoplectus heterochaetus	Slender Bulrush	Plants
Schoenoplectus mucronatus	NA	Plants
Schoenoplectus pungens longispicatus	Three-square Bulrush	Plants
Schoenoplectus pungens pungens	NA	Plants
Schoenoplectus saximontanus	Rocky Mountain Bulrush	Plants
Schoenoplectus subterminalis	Water Bulrush	Plants
Schoenoplectus tabernaemontani	Softstem Bulrush	Plants
Schoenoplectus triqueter	NA	Plants
Schoenus nigricans	Blacksedge	Plants
Scirpus congdonii	Congdon's Bulrush	Plants
Scirpus cyperinus	NA	Plants
Scirpus diffusus	Umbrella Bulrush	Plants
Scirpus microcarpus	Small-fruit Bulrush	Plants
Scirpus pendulus	Pendulous Bulrush	Plants
Scirtes californicus		Insects & other
Scirtes orbiculatus		Insects & other
Scirtes plagiatus		Insects & other
Scutellaria galericulata	Hooded Skullcap	Plants
Sedella leiocarpa	Lake County Mock Stonecrop	Plants
Senecio hydrophiloides	Sweet Marsh Ragwort	Plants
Senecio hydrophilus	Great Swamp Ragwort	Plants
Senecio triangularis	Arrow-leaf Groundsel	Plants
Sequoia sempervirens		Plants
Sergentia albescens		Insects & other
Serratella levis	A Mayfly	Insects & other
Serratella micheneri	A Mayfly	Insects & other
Sesbania herbacea		Plants
Setophaga petechia	Yellow Warbler	Birds
Setophaga petechia brewsteri	A Yellow Warbler	Birds
Setophaga petechia sonorana	Sonoran Yellow Warbler	Birds
Setvena tibialis		Insects & other
Setvena wahkeena		Insects & other
Sialis arvalis		Insects & other
Sialis bilobata		Insects & other
Sialis californica		Insects & other

<i>Sialis cornuta</i>		Insects & other
<i>Sialis hamata</i>		Insects & other
<i>Sialis nevadensis</i>		Insects & other
<i>Sialis occidens</i>		Insects & other
<i>Sialis rotunda</i>		Insects & other
<i>Sidalcea calycosa calycosa</i>	Annual Checker-mallow	Plants
<i>Sidalcea calycosa rhizomata</i>	Point Reyes Checkerbloom	Plants
<i>Sidalcea gigantea</i>		Plants
<i>Sidalcea hirsuta</i>	Hairy Checker-mallow	Plants
<i>Sidalcea neomexicana</i>	Rocky Mountain Checker-mallow	Plants
<i>Sidalcea oregana hydrophila</i>	Water-loving Checker-mallow	Plants
<i>Sidalcea oregana oregana</i>	Oregon Checker-mallow	Plants
<i>Sidalcea oregana valida</i>	Kenwood Marsh Checker-mallow	Plants
<i>Sidalcea pedata</i>	Pedate Checker-mallow	Plants
<i>Sidalcea ranunculacea</i>	Marsh Checker-mallow	Plants
<i>Sidalcea reptans</i>	Creeping Checker-mallow	Plants
<i>Sierraperla cora</i>	Giant Roachfly	Insects & other
<i>Sigara alternata</i>		Insects & other
<i>Sigara grossolineata</i>		Insects & other
<i>Sigara krafti</i>		Insects & other
<i>Sigara mckinstriyi</i>	A Water Boatman	Insects & other
<i>Sigara nevadensis</i>		Insects & other
<i>Sigara omani</i>		Insects & other
<i>Sigara vallis</i>	A Water Boatman	Insects & other
<i>Sigara vandykei</i>		Insects & other
<i>Sigara washingtonensis</i>		Insects & other
<i>Simulium anduzei</i>		Insects & other
<i>Simulium apricarium</i>		Insects & other
<i>Simulium argus</i>		Insects & other
<i>Simulium balteatum</i>		Insects & other
<i>Simulium bivittatum</i>		Insects & other
<i>Simulium brevicercum</i>		Insects & other
<i>Simulium bricenoi</i>		Insects & other
<i>Simulium canadensis</i>		Insects & other
<i>Simulium canonicolum</i>		Insects & other
<i>Simulium carbunculum</i>		Insects & other
<i>Simulium chromatinum</i>		Insects & other
<i>Simulium chromocentrum</i>		Insects & other
<i>Simulium clarum</i>		Insects & other
<i>Simulium conicum</i>		Insects & other
<i>Simulium craigi</i>		Insects & other

Simulium curiei		Insects & other
Simulium decorum		Insects & other
Simulium defoliarti		Insects & other
Simulium donovani		Insects & other
Simulium encisoii		Insects & other
Simulium exculatum		Insects & other
Simulium freemani		Insects & other
Simulium griseum		Insects & other
Simulium hechti		Insects & other
Simulium hippovorum		Insects & other
Simulium hunteri		Insects & other
Simulium infernale		Insects & other
Simulium iriartei		Insects & other
Simulium jacumbae		Insects & other
Simulium jocular		Insects & other
Simulium longithallum		Insects & other
Simulium meridionale		Insects & other
Simulium modicum		Insects & other
Simulium mysterium		Insects & other
Simulium nebulosum		Insects & other
Simulium negativum		Insects & other
Simulium notatum		Insects & other
Simulium paynei		Insects & other
Simulium petersoni		Insects & other
Simulium pilosum		Insects & other
Simulium piperi		Insects & other
Simulium pugetense		Insects & other
Simulium quadratum		Insects & other
Simulium rostratum		Insects & other
Simulium saxosum		Insects & other
Simulium silvestre		Insects & other
Simulium tesorum		Insects & other
Simulium tribulatum		Insects & other
Simulium twinni		Insects & other
Simulium vandalicum		Insects & other
Simulium venator		Insects & other
Simulium venustum		Insects & other
Simulium virgatum		Insects & other
Simulium vittatum		Insects & other
Simulium wyomingense		Insects & other
Simulium zephyrus		Insects & other

<i>Sinapis alba</i>	NA	Plants
<i>Siphatales bicolor bicolor</i>	Klamath tui chub	Fishes
<i>Siphatales bicolor obesus</i>	Lahontan stream tui chub	Fishes
<i>Siphatales bicolor pectinifer</i>	Lahontan lake tui chub	Fishes
<i>Siphatales bicolor snyderi</i>	Owens tui chub	Fishes
<i>Siphatales bicolor ssp. 1</i>	Eagle Lake tui chub	Fishes
<i>Siphatales bicolor ssp. 11</i>	High Rock Spring Tui Chub	Fishes
<i>Siphatales mohavensis</i>	Mojave tui chub	Fishes
<i>Siphatales thalassinus ssp. 1</i>	Pit River tui chub	Fishes
<i>Siphatales thalassinus thalassinus</i>	Goose Lake tui chub	Fishes
<i>Siphatales thalassinus vaccaceps</i>	Cow Head tui chub	Fishes
<i>Siphonurus columbianus</i>	A Mayfly	Insects & other
<i>Siphonurus occidentalis</i>	A Mayfly	Insects & other
<i>Siphonurus spectabilis</i>	A Mayfly	Insects & other
<i>Sisko oregona</i>		Insects & other
<i>Sisko sisko</i>		Insects & other
<i>Sisyra vicaria</i>		Insects & other
<i>Sisyrinchium californicum</i>	Golden Blue-eyed-grass	Plants
<i>Sisyrinchium elmeri</i>	Elmer's Blue-eyed-grass	Plants
<i>Sisyrinchium longipes</i>	Timberland Blue-eyed-grass	Plants
<i>Sium suave</i>	Hemlock Water-parsnip	Plants
<i>Skwala americana</i>	American Springfly	Insects & other
<i>Skwala curvata</i>	Curved Springfly	Insects & other
<i>Smicridea arizonensis</i>	A Caddisfly	Insects & other
<i>Smicridea dispar</i>	A Caddisfly	Insects & other
<i>Smicridea fasciatella</i>	A Caddisfly	Insects & other
<i>Smicridea signata</i>		Insects & other
<i>Solidago elongata</i>		Plants
<i>Solidago guiradonis</i>	Guirado's Goldenrod	Plants
<i>Solidago lepida salebrosa</i>		Plants
<i>Solidago spectabilis</i>	Nevada Goldenrod	Plants
<i>Soliperla campanula</i>		Insects & other
<i>Soliperla quadrispinula</i>	Four-spined Roachfly	Insects & other
<i>Soliperla sierra</i>	Sierra Roachfly	Insects & other
<i>Soliperla thyra</i>	California Roachfly	Insects & other
<i>Soliperla tillamook</i>		Insects & other
<i>Somatochlora albicincta</i>	Ringed Emerald	Insects & other
<i>Somatochlora minor</i>		Insects & other
<i>Somatochlora semicircularis</i>	Mountain Emerald	Insects & other
<i>Sorex palustris</i>	American Water Shrew	Mammals

<i>Soyedina interrupta</i>		Insects & other
<i>Soyedina nevadensis</i>	Nevada Forestfly	Insects & other
<i>Soyedina producta</i>	Knobbed Forestfly	Insects & other
<i>Sparganium angustifolium</i>	Narrowleaf Bur-reed	Plants
<i>Sparganium emersum</i>		Plants
<i>Sparganium eurycarpum eurycarpum</i>		Plants
<i>Sparganium eurycarpum greenei</i>		Plants
<i>Sparganium natans</i>	Small Bur-reed	Plants
<i>Spartina densiflora</i>	NA	Plants
<i>Spartina foliosa</i>	California Cordgrass	Plants
<i>Spartina gracilis</i>	Alkali Cordgrass	Plants
<i>Spea hammondii</i>	Western Spadefoot	Herps
<i>Spea intermontana</i>	Great Basin Spadefoot	Herps
<i>Sperchon stellata</i>		Insects & other
<i>Sphaerium occidentale</i>		Mollusks
<i>Sphaerium patella</i>	Rocky Mountain Fingernailclam	Mollusks
<i>Sphaerium striatum</i>		Mollusks
<i>Sphenosciadium capitellatum</i>	Swamp Whiteheads	Plants
<i>Spiranthes romanzoffiana</i>	Hooded Ladies'-tresses	Plants
<i>Spirinchus thaleichthys</i>	Longfin smelt	Fishes
<i>Spirodela polyrhiza</i>	NA	Plants
<i>Stachys ajugoides</i>	Bugle Hedge-nettle	Plants
<i>Stachys albens</i>	White-stem Hedge-nettle	Plants
<i>Stachys chamissonis chamissonis</i>	Coast Hedge-nettle	Plants
<i>Stachys pycnantha</i>	Short-spike Hedge-nettle	Plants
<i>Stachys rigida quercetorum</i>		Plants
<i>Stachys stricta</i>	Sonoma Hedge-nettle	Plants
<i>Stactobiella brustia</i>		Insects & other
<i>Stactobiella delira</i>	A Caddisfly	Insects & other
<i>Stactobiella palmata</i>		Insects & other
<i>Stagnicola caperata</i>	Wrinkled Marshsnail	Mollusks
<i>Stagnicola elodes</i>	Marsh Pondsnailed	Mollusks
<i>Stagnicola gabbi</i>	Striate Pondsnailed	Mollusks
<i>Stagnicola traski</i>	Widelip Pondsnailed	Mollusks
<i>Stegopterna acra</i>		Insects & other
<i>Stegopterna permutata</i>		Insects & other
<i>Stegopterna xantha</i>		Insects & other
<i>Stellaria littoralis</i>	Beach Starwort	Plants
<i>Stemodia durantifolia</i>	White-woolly Stemodia	Plants
<i>Stenelmis calida calida</i>	Devil's Hole Warm Spring Riffle Beetle	Insects & other

<i>Stenelmis lariversi</i>		Insects & other
<i>Stenelmis moapa</i>		Insects & other
<i>Stenelmis occidentalis</i>		Insects & other
<i>Stenochironomus colei</i>		Insects & other
<i>Stenochironomus fuscipatellus</i>		Insects & other
<i>Stenochironomus hiliaris</i>		Insects & other
<i>Stenochironomus totifuscus</i>		Insects & other
<i>Stenocolus scutellaris</i>		Insects & other
<i>Stenocypris archoplites</i>	An Ostracod	Crustaceans
<i>Stictochironomus naevus</i>		Insects & other
<i>Stictochironomus quagga</i>		Insects & other
<i>Stictotarsus aequinoctialis</i>		Insects & other
<i>Stictotarsus coelamboides</i>		Insects & other
<i>Stictotarsus corvinus</i>		Insects & other
<i>Stictotarsus decemsignatus</i>		Insects & other
<i>Stictotarsus deceptus</i>		Insects & other
<i>Stictotarsus dolerosus</i>		Insects & other
<i>Stictotarsus eximius</i>		Insects & other
<i>Stictotarsus expositus</i>		Insects & other
<i>Stictotarsus funereus</i>		Insects & other
<i>Stictotarsus griseostriatus</i>		Insects & other
<i>Stictotarsus panaminti</i>		Insects & other
<i>Stictotarsus roffi</i>		Insects & other
<i>Stictotarsus spectabilis</i>		Insects & other
<i>Stictotarsus striatellus</i>		Insects & other
<i>Streptocephalus dorotheae</i>	New Mexico Fairy Shrimp	Crustaceans
<i>Streptocephalus mackini</i>		Crustaceans
<i>Streptocephalus sealii</i>	Spinytail Fairy Shrimp	Crustaceans
<i>Streptocephalus texanus</i>	Greater Plains Fairy Shrimp	Crustaceans
<i>Streptocephalus woottoni</i>	Riverside Fairy Shrimp	Crustaceans
<i>Streptopus amplexifolius americanus</i>		Plants
<i>Strix nebulosa</i>	Great Gray Owl	Birds
<i>Stuckenia filiformis alpina</i>		Plants
<i>Stuckenia pectinata</i>		Plants
<i>Stuckenia striata</i>		Plants
<i>Stygaldiella affinis</i>		Insects & other
<i>Stygaldiella arizonica</i>		Insects & other
<i>Stygobromus cherylae</i>	Barr's Amphipod	Crustaceans
<i>Stygobromus cowani</i>	Cowan's Amphipod	Crustaceans
<i>Stygobromus gallawayae</i>	Gallaway's Amphipod	Crustaceans

<i>Stygobromus gradyi</i>	Grady's Cave Amphipod	Crustaceans
<i>Stygobromus grahami</i>	A Cave Obligate Amphipod	Crustaceans
<i>Stygobromus harai</i>	Hara's Cave Amphipod	Crustaceans
<i>Stygobromus hyporheicus</i>	Hypoheic Amphipod	Crustaceans
<i>Stygobromus imperialis</i>	Imperial Amphipod	Crustaceans
<i>Stygobromus laticolus</i>	Lake Tahoe Amphipod	Crustaceans
<i>Stygobromus mackenziei</i>	Mackenzie's Cave Amphipod	Crustaceans
<i>Stygobromus myersae</i>	Myers' Amphipod	Crustaceans
<i>Stygobromus mysticus</i>	A Cave Obligate Amphipod	Crustaceans
<i>Stygobromus rudolphi</i>	Rudolph's Amphipod	Crustaceans
<i>Stygobromus sheldoni</i>	Sheldon Stygobromid	Crustaceans
<i>Stygobromus sierrensis</i>	A Cave Obligate Amphipod	Crustaceans
<i>Stygobromus tahoensis</i>	Lake Tahoe Stygobromid	Crustaceans
<i>Stygobromus trinus</i>	Trinity County Amphipod	Crustaceans
<i>Stygobromus wengerorum</i>	Wenger Cave Stygobromid	Crustaceans
<i>Stygonyx courtneyi</i>		Crustaceans
<i>Stygoporus oregonensis</i>		Insects & other
<i>Stylurus intricatus</i>	Brimstone Clubtail	Insects & other
<i>Stylurus olivaceus</i>	Olive Clubtail	Insects & other
<i>Stylurus plagiatus</i>	Russet-tipped Clubtail	Insects & other
<i>Suaeda calceoliformis</i>	American Sea-blite	Plants
<i>Suaeda californica</i>	California Sea-blite	Plants
<i>Suaeda esteroa</i>	Estuary Suaeda	Plants
<i>Sublettea coffmani</i>		Insects & other
<i>Subularia aquatica americana</i>	Water Awlwort	Plants
<i>Suphisellus bicolor</i>		Insects & other
<i>Susulus venustus</i>	Beautiful Springfly	Insects & other
<i>Suwallia amoenacolens</i>		Insects & other
<i>Suwallia autumnna</i>		Insects & other
<i>Suwallia dubia</i>	Pale Sallfly	Insects & other
<i>Suwallia lineosa</i>		Insects & other
<i>Suwallia pallidula</i>	Yellow Sallfly	Insects & other
<i>Suwallia shepardi</i>	A Stonefly	Insects & other
<i>Suwallia sierra</i>	Sierra Sallfly	Insects & other
<i>Suwallia starki</i>		Insects & other
<i>Suwallia sublimis</i>	A Stonefly	Insects & other
<i>Sweltsa adamantea</i>		Insects & other
<i>Sweltsa borealis</i>	Boreal Sallfly	Insects & other
<i>Sweltsa californica</i>	Chico Sallfly	Insects & other
<i>Sweltsa coloradensis</i>	Colorado Sallfly	Insects & other
<i>Sweltsa continua</i>	Gabriel Sallfly	Insects & other

Sweltsa exquisita		Insects & other
Sweltsa fidelis	Mountain Sallfly	Insects & other
Sweltsa lamba		Insects & other
Sweltsa occidentis		Insects & other
Sweltsa oregonensis		Insects & other
Sweltsa pacifica	Pacific Sallfly	Insects & other
Sweltsa pisteri	Coastal Sallfly	Insects & other
Sweltsa resima	California Sallfly	Insects & other
Sweltsa revelstoka		Insects & other
Sweltsa salix	A Stonefly	Insects & other
Sweltsa tamalpa	Tamalpais Sallfly	Insects & other
Sweltsa townesi	Sierra Sallfly	Insects & other
Sweltsa umbonata	Shasta Sallfly	Insects & other
Sweltsa yurok	A Stonefly	Insects & other
Symbiocladius equitans		Insects & other
Sympetrum corruptum	Variegated Meadowhawk	Insects & other
Sympetrum costiferum	Saffron-winged Meadowhawk	Insects & other
Sympetrum danae	Black Meadowhawk	Insects & other
Sympetrum illotum	Cardinal Meadowhawk	Insects & other
Sympetrum internum	Cherry-faced Meadowhawk	Insects & other
Sympetrum madidum	Red-veined Meadowhawk	Insects & other
Sympetrum obtrusum	White-faced Meadowhawk	Insects & other
Sympetrum occidentale		Insects & other
Sympetrum pallipes	Striped Meadowhawk	Insects & other
Sympetrum signiferum		Insects & other
Sympetrum vicinum	Autumn Meadowhawk	Insects & other
Symphyotrichum bracteolatum		Plants
Symphyotrichum frondosum	Alkali Aster	Plants
Symphyotrichum lanceolatum hesperium	Siskiyou Aster	Plants
Symphyotrichum lanceolatum lanceolatum	NA	Plants
Symphyotrichum lentum	Suisun Marsh Aster	Plants
Sympotthastia diastena		Insects & other
Syncaris pacifica	California Freshwater Shrimp	Crustaceans
Syncaris pasadenae	Pasadena Freshwater Shrimp	Crustaceans
Synendotendipes luski		Insects & other
Tachycineta bicolor	Tree Swallow	Birds
Taenionema californicum	California Willowfly	Insects & other
Taenionema grinnelli	Angeles Willowfly	Insects & other
Taenionema jacobii		Insects & other
Taenionema jeanae	A Stonefly	Insects & other



<i>Taenionema jewetti</i>		Insects & other
<i>Taenionema kincaidi</i>	Pale Willowfly	Insects & other
<i>Taenionema oregonense</i>		Insects & other
<i>Taenionema pacificum</i>	Pacific Willowfly	Insects & other
<i>Taenionema pallidum</i>	Common Willowfly	Insects & other
<i>Taenionema raynorium</i>	Yosemite Willowfly	Insects & other
<i>Taenionema uinta</i>		Insects & other
<i>Taenionema umatilla</i>		Insects & other
<i>Taeniopteryx nivalis</i>	Boreal Willowfly	Insects & other
<i>Talitroides alluaudi</i>		Crustaceans
<i>Talitroides topitotum</i>		Crustaceans
<i>Tanypteryx hageni</i>	Black Petaltail	Insects & other
<i>Tanypus carinatus</i>		Insects & other
<i>Tanypus grodhausi</i>		Insects & other
<i>Tanypus imperialis</i>		Insects & other
<i>Tanypus neopunctipennis</i>		Insects & other
<i>Tanypus nubifer</i>		Insects & other
<i>Tanypus parastellatus</i>		Insects & other
<i>Tanypus punctipennis</i>		Insects & other
<i>Tanypus stellatus</i>		Insects & other
<i>Tanytarsus angulatus</i>		Insects & other
<i>Tanytarsus challeti</i>		Insects & other
<i>Tanytarsus dendyi</i>		Insects & other
<i>Tanytarsus hastatus</i>		Insects & other
<i>Tanytarsus limneticus</i>		Insects & other
<i>Tanytarsus mendax</i>		Insects & other
<i>Tanytarsus neoflavellus</i>		Insects & other
<i>Tanytarsus pelsuei</i>		Insects & other
<i>Taricha granulosa</i>	Rough-skinned Newt	Herps
<i>Taricha rivularis</i>	Red-bellied Newt	Herps
<i>Taricha sierrae</i>	Sierra Newt	Herps
<i>Taricha torosa</i>	Coast Range Newt	Herps
<i>Taxus brevifolia</i>		Plants
<i>Telebasis salva</i>	Desert Firetail	Insects & other
<i>Telmatogeton alaskensis</i>		Insects & other
<i>Telmatogeton japonicus</i>		Insects & other
<i>Telmatogeton macswaini</i>		Insects & other
<i>Telmatogeton spinosus</i>		Insects & other
<i>Telmatogeton trilobatus</i>		Insects & other
<i>Teloleuca bifasciata</i>		Insects & other
<i>Teloleuca pellucens</i>		Insects & other

<i>Tempisquitoneura merrillorum</i>		Insects & other
<i>Tethymyia aptena</i>		Insects & other
<i>Thalassosmittia clavicornis</i>		Insects & other
<i>Thalassosmittia marina</i>		Insects & other
<i>Thalassosmittia pacifica</i>		Insects & other
<i>Thalassotrechus barbarae</i>		Insects & other
<i>Thaleichthys pacificus</i>	Eulachon	Fishes
<i>Thamnocephalus mexicanus</i>		Crustaceans
<i>Thamnocephalus platyurus</i>	Beavertail Fairy Shrimp	Crustaceans
<i>Thamnophis atratus atratus</i>	Santa Cruz Gartersnake	Herps
<i>Thamnophis atratus hydrophilus</i>	Oregon Gartersnake	Herps
<i>Thamnophis atratus zaxanthus</i>	Diablo Range Gartersnake	Herps
<i>Thamnophis couchii</i>	Sierra Gartersnake	Herps
<i>Thamnophis elegans elegans</i>	Mountain Gartersnake	Herps
<i>Thamnophis elegans terrestris</i>	Coast Gartersnake	Herps
<i>Thamnophis elegans vagrans</i>	Wandering Gartersnake	Herps
<i>Thamnophis gigas</i>	Giant Gartersnake	Herps
<i>Thamnophis hammondii hammondii</i>	Two-striped Gartersnake	Herps
<i>Thamnophis hammondii ssp. 1</i>	Santa Catalina Gartersnake	Herps
<i>Thamnophis marcianus marcianus</i>	Marcy's Checkered Gartersnake	Herps
<i>Thamnophis ordinoides</i>	Northwestern Gartersnake	Herps
<i>Thamnophis sirtalis fitchi</i>	Valley Gartersnake	Herps
<i>Thamnophis sirtalis infernalis</i>	California Red-sided Gartersnake	Herps
<i>Thamnophis sirtalis sirtalis</i>	Common Gartersnake	Herps
<i>Thamnophis sirtalis ssp. 1</i>	South Coast Gartersnake	Herps
<i>Thamnophis sirtalis tetrataenia</i>	San Francisco Gartersnake	Herps
<i>Thelypteris puberula sonorensis</i>	NA	Plants
<i>Thermonectus intermedius</i>		Insects & other
<i>Thermonectus marmoratus</i>		Insects & other
<i>Thermonectus nigrofasciatus nigrofasciatus</i>		Insects & other
<i>Thermonectus sibleyi</i>		Insects & other
<i>Thienemannimyia barberi</i>		Insects & other
<i>Thienemannimyia fusciceps</i>		Insects & other
<i>Thienemannimyia norena</i>		Insects & other
<i>Thraulodes brunneus</i>		Insects & other
<i>Thraulodes gonzalesi</i>		Insects & other
<i>Thraulodes tenulineus</i>		Insects & other
<i>Throscinus crotchi</i>		Insects & other
<i>Timpanoga hecuba</i>	A Mayfly	Insects & other

<i>Tinodes belisus</i>	A Caddisfly	Insects & other
<i>Tinodes cascadius</i>	A Caddisfly	Insects & other
<i>Tinodes consuetus</i>	A Caddisfly	Insects & other
<i>Tinodes gabriella</i>	A Caddisfly	Insects & other
<i>Tinodes parvulus</i>	A Caddisfly	Insects & other
<i>Tinodes powelli</i>	A Caddisfly	Insects & other
<i>Tinodes provo</i>	A Caddisfly	Insects & other
<i>Tinodes schusteri</i>	A Caddisfly	Insects & other
<i>Tinodes sigodanus</i>	A Caddisfly	Insects & other
<i>Tinodes siskiyou</i>	A Caddisfly	Insects & other
<i>Tinodes twilus</i>	A Caddisfly	Insects & other
<i>Tinodes usillus</i>	A Caddisfly	Insects & other
<i>Tlalocomyia andersoni</i>		Insects & other
<i>Tlalocomyia osbornii</i>		Insects & other
<i>Tlalocomyia ramifera</i>		Insects & other
<i>Tlalocomyia stewarti</i>		Insects & other
<i>Torreyochloa pallida</i>	NA	Plants
<i>Toxicoscordion fontanum</i>	NA	Plants
<i>Toxicoscordion micranthum</i>	NA	Plants
<i>Toxicoscordion venenosum venosum</i>		Plants
<i>Toxorhynchites moctezuma</i>		Insects & other
<i>Tramea calverti</i>		Insects & other
<i>Tramea lacerata</i>	Black Saddlebags	Insects & other
<i>Tramea onusta</i>	Red Saddlebags	Insects & other
<i>Traverella albertana</i>		Insects & other
<i>Trepobates becki</i>		Insects & other
<i>Trepobates pictus</i>		Insects & other
<i>Trepobates taylori</i>		Insects & other
<i>Trepobates trepidus</i>		Insects & other
<i>Triaenodes frontalis</i>		Insects & other
<i>Triaenodes injustus</i>		Insects & other
<i>Triaenodes reuteri</i>		Insects & other
<i>Triaenodes tardus</i>	A Caddisfly	Insects & other
<i>Tribelos jucundum</i>		Insects & other
<i>Tribelos subatrum</i>		Insects & other
<i>Tribelos subletteorum</i>		Insects & other
<i>Trichocorixa arizonensis</i>		Insects & other
<i>Trichocorixa calva</i>		Insects & other
<i>Trichocorixa reticulata</i>		Insects & other
<i>Trichocorixa uhleri</i>		Insects & other

<i>Trichocorixa verticalis</i>		Insects & other
<i>Tricorythodes condylus</i>		Insects & other
<i>Tricorythodes explicatus</i>	A Mayfly	Insects & other
<i>Tricorythodes fictus</i>	A Mayfly	Insects & other
<i>Triglochin maritima</i>	Common Bog Arrow-grass	Plants
<i>Triglochin palustris</i>	Slender Bog Arrow-grass	Plants
<i>Triglochin scilloides</i>	NA	Plants
<i>Triglochin striata</i>	Three-ribbed Arrow-grass	Plants
<i>Tringa melanoleuca</i>	Greater Yellowlegs	Birds
<i>Tringa semipalmata</i>	Willet	Birds
<i>Tringa solitaria</i>	Solitary Sandpiper	Birds
<i>Triops longicaudatus</i>	Summer tadpole shrimps	Crustaceans
<i>Triznaka pintada</i>	Rough Sallfly	Insects & other
<i>Triznaka sheldoni</i>		Insects & other
<i>Triznaka signata</i>		Insects & other
<i>Tropicus pusillus</i>		Insects & other
<i>Tropisternus californicus</i>		Insects & other
<i>Tropisternus columbianus</i>		Insects & other
<i>Tropisternus ellipticus</i>		Insects & other
<i>Tropisternus lateralis</i>		Insects & other
<i>Tropisternus orvus</i>		Insects & other
<i>Tropisternus salsamentus</i>		Insects & other
<i>Tropisternus sublaevis</i>		Insects & other
<i>Tryonia margae</i>	Grapevine Springs Elongate Tryonia	Mollusks
<i>Tryonia porrecta</i>	Desert Tryonia	Mollusks
<i>Tryonia rowlandsi</i>	Grapevine Springs Squat Tryonia	Mollusks
<i>Tryonia salina</i>	Cottonball Marsh Tryonia	Mollusks
<i>Tryonia variegata</i>	Amargosa Tryonia	Mollusks
<i>Tuctoria greenei</i>	Green's Awnless Orcutt Grass	Plants
<i>Tuctoria mucronata</i>	Mucronate Orcutt Grass	Plants
<i>Tvetenia vitracies</i>		Insects & other
<i>Twinnia hirticornis</i>		Insects & other
<i>Typha domingensis</i>	Southern Cattail	Plants
<i>Typha latifolia</i>	Broadleaf Cattail	Plants
<i>Uca crenulata</i>		Crustaceans
<i>Uranotaenia anhydor</i>		Insects & other
<i>Utacapnia columbiana</i>	Columbian Snowfly	Insects & other
<i>Utacapnia imbera</i>		Insects & other
<i>Utacapnia lemoniana</i>		Insects & other
<i>Utacapnia sierra</i>	Sierra Snowfly	Insects & other
<i>Utacapnia tahoensis</i>	Tahoe Snnowfly	Insects & other

<i>Utaperla sopladora</i>		Insects & other
<i>Utaxatax californiensis</i>		Insects & other
<i>Utaxatax newelli</i>		Insects & other
<i>Utaxatax ovalis</i>		Insects & other
<i>Utricularia gibba</i>	Humped Bladderwort	Plants
<i>Utricularia intermedia</i>	Flatleaf Bladderwort	Plants
<i>Utricularia macrorhiza</i>	Greater Bladderwort	Plants
<i>Utricularia minor</i>	Lesser Bladderwort	Plants
<i>Utricularia ochroleuca</i>	Northern Bladderwort	Plants
<i>Utricularia subulata</i>	NA	Plants
<i>Uvarus amandus</i>		Insects & other
<i>Uvarus subtilis</i>		Insects & other
<i>Vaccinium macrocarpon</i>	NA	Plants
<i>Vaccinium uliginosum occidentale</i>		Plants
<i>Vaccupernius packeri</i>		Insects & other
<i>Valvata humeralis</i>	Glossy Valvata	Mollusks
<i>Valvata tricarinata</i>		Mollusks
<i>Valvata utahensis</i>		Mollusks
<i>Valvata virens</i>	Emerald Valvata	Mollusks
<i>Veratrum fimbriatum</i>	Fringed False Hellebore	Plants
<i>Verbena scabra</i>	Sandpaper Vervain	Plants
<i>Veronica americana</i>	American Speedwell	Plants
<i>Veronica anagallis-aquatica</i>	NA	Plants
<i>Veronica catenata</i>	NA	Plants
<i>Veronica peregrina</i>	NA	Plants
<i>Veronica scutellata</i>	Marsh-speedwell	Plants
<i>Vertigo ovata</i>	Ovate Vertigo	Mollusks
<i>Vespericola armiger</i>	Santa Cruz Hesperian	Mollusks
<i>Vespericola embertoni</i>	Reeves Canyon Hesperian Snail	Mollusks
<i>Vespericola eritrichius</i>	Velvet Hesperian	Mollusks
<i>Vespericola euthales</i>	A Terrestrial Snail	Mollusks
<i>Vespericola haplus</i>	Butte Creek Hesperian	Mollusks
<i>Vespericola karokorum</i>	Karok Hesperian	Mollusks
<i>Vespericola klamathicus</i>	Klamath Hesperian	Mollusks
<i>Vespericola marinensis</i>	Marin Hesperian	Mollusks
<i>Vespericola megasoma</i>	Redwood Hesperian	Mollusks
<i>Vespericola orius</i>	El Dorado Hesperian	Mollusks
<i>Vespericola pilosus</i>	Brushfield Hesperian	Mollusks
<i>Vespericola pinicola</i>	Monterey Hesperian	Mollusks
<i>Vespericola pressleyi</i>	Big Bar Hesperian	Mollusks

<i>Vespericola rhodophila</i>	Azalea Hesperian Snail	Mollusks
<i>Vespericola rothi</i>	Ellery Creek Hesperian	Mollusks
<i>Vespericola sasquatch</i>	Sasquatch Hesperian Snail	Mollusks
<i>Vespericola scotti</i>	Benson Gulch Hesperian	Mollusks
<i>Vespericola shasta</i>	Shasta Hesperian	Mollusks
<i>Vespericola sierranus</i>	Siskiyou Hesperian	Mollusks
<i>Viola langsdorffii</i>	NA	Plants
<i>Viola macloskeyi</i>	NA	Plants
<i>Vireo bellii</i>	Bell's Vireo	Birds
<i>Vireo bellii arizonae</i>	Arizona Bell's Vireo	Birds
<i>Vireo bellii pusillus</i>	Least Bell's Vireo	Birds
<i>Visoka cataractae</i>	Cataract Forestfly	Insects & other
<i>Vorticifex effusa effusa</i>	Artemesian Rams-horn	Mollusks
<i>Vorticifex solida</i>	A Freshwater Snail	Mollusks
<i>Wolffia arrhiza</i>	NA	Plants
<i>Wolffia borealis</i>	Dotted Watermeal	Plants
<i>Wolffia brasiliensis</i>	Pointed Watermeal	Plants
<i>Wolffia columbiana</i>	Columbian Watermeal	Plants
<i>Wolffia globosa</i>	Asian Watermeal	Plants
<i>Wolffiella lingulata</i>	Tongue Bogmat	Plants
<i>Wolffiella oblonga</i>	Saber-shape Bogmat	Plants
<i>Wormaldia anilla</i>	A Caddisfly	Insects & other
<i>Wormaldia arizonensis</i>		Insects & other
<i>Wormaldia birneyi</i>	A Caddisfly	Insects & other
<i>Wormaldia gabriella</i>	A Caddisfly	Insects & other
<i>Wormaldia gesugta</i>	A Caddisfly	Insects & other
<i>Wormaldia hamata</i>	A Caddisfly	Insects & other
<i>Wormaldia laona</i>	A Caddisfly	Insects & other
<i>Wormaldia occidea</i>	A Caddisfly	Insects & other
<i>Wormaldia pachita</i>	A Caddisfly	Insects & other
<i>Xanthocephalus xanthocephalus</i>	Yellow-headed Blackbird	Birds
<i>Xenelmis sandersoni</i>		Insects & other
<i>Xenochironomus xenolabis</i>		Insects & other
<i>Xenopelopia tincta</i>		Insects & other
<i>Xyrauchen texanus</i>	Razorback sucker	Fishes
<i>Yoraperla brevis</i>	Least Roachfly	Insects & other
<i>Yoraperla mariana</i>		Insects & other
<i>Yoraperla nigrisoma</i>	Black Roachfly	Insects & other
<i>Yoraperla siletz</i>	Coastal Roachfly	Insects & other
<i>Yphria californica</i>	A Caddisfly	Insects & other
<i>Zaitzevia parvula</i>		Insects & other

<i>Zaitzevia posthonia</i>		Insects & other
<i>Zannichellia palustris</i>	Horned Pondweed	Plants
<i>Zapada cinctipes</i>	Common Forestfly	Insects & other
<i>Zapada columbiana</i>	Columbian Forestfly	Insects & other
<i>Zapada cordillera</i>	Cordilleran Forestfly	Insects & other
<i>Zapada frigida</i>	Frigid Forestfly	Insects & other
<i>Zapada haysi</i>	Intermountain Forestfly	Insects & other
<i>Zapada oregonensis</i>	Oregon Forestfly	Insects & other
<i>Zavreliomyia sinuosa</i>		Insects & other
<i>Zavreliomyia thryptica</i>		Insects & other
<i>Zizania palustris interior</i>	NA	Plants
<i>Zizania palustris palustris</i>	NA	Plants
<i>Zoniagrion exclamationis</i>	Exclamation Damselfly	Insects & other
<i>Zumatrachia notosa</i>		Insects & other

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