

NEVADA RARE PLANT ATLAS

compiled by the

Nevada Natural Heritage Program
Nevada Department of Conservation and Natural Resources
Carson City, Nevada, U.S.A.

and edited by

James D. Morefield
Botanist

June, 2001

for the

U.S. Department of the Interior
Fish and Wildlife Service
Portland, Oregon
and Reno, Nevada

with funds provided under
Section 6 of the Endangered Species Act

Grant EP-3-12

This work should be cited as:

Morefield, J. D. (editor). 2001. *Nevada Rare Plant Atlas*. Carson City: Nevada Natural Heritage Program, compiled for the U.S. Department of Interior, Fish and Wildlife Service, Portland, Oregon and Reno, Nevada.

The Nevada Natural Heritage Program:

Program Director:	Glenn H. Clemmer
Botanist:	James D. Morefield
Biologist:	Jennifer E. Newmark
Biological Data Manager:	Eric Miskow
Plant Ecologist:	Eric Peterson
Office Manager:	Deborah Mattie

**1550 East College Parkway, suite 145
Carson City, Nevada 89706-7921, U.S.A.
tel: (775) 687-4245
internet: <http://www.state.nv.us/nvnhp>**

Cover Photograph:

Lathyrus grimesii (Grimes vetchling) flowers and leaves, by James D. Morefield

CONTENTS

Dedication	i
Acknowledgments.....	i
Introduction and Definitions	iii
List of 249 Mapped Vascular Plants, Mosses, and Lichens	v
List of Mapped Taxa by Major Group and Family	x
General References	xvii
Nevada Rare Plant Atlas	xxi
Index to Synonyms of Mapped Taxa	xxii
Index to Common Names of Mapped Taxa	xxv
Map of Nevada Counties, Cities, and Rare Plant Locations	back cover

DEDICATION

This work is dedicated to the pioneers of rare plant conservation and data compilation in Nevada: Margaret J. Williams (1917-2000), Ann Pinzl, Arnold Tiehm, Hugh N. Mozingo, N. Duane Atwood, Ken Genz, Sherel Goodrich, James L. Reveal, Janice C. Beatley, Susan A. Cochran, and the many other early members of and contributors to the Northern Nevada Native Plant Society and its Rare Plant Committee.

ACKNOWLEDGMENTS

The process of compiling and editing this atlas would have been impossible without the efforts and contributions of numerous individuals, organizations, and institutions over many decades. This atlas is an ongoing and unfinishable synthesis of the hard work of hundreds of dedicated botanists and biological professionals from within and far beyond the borders of Nevada. The risk in trying to acknowledge all of them here is that some will inadvertently omitted. To any who are left out, please know that your contributions are a valued part of this document.

First and foremost is Teri A. Knight, first Botanist for the Nevada Natural Heritage Program and my predecessor, who for five years jump-started and amassed the botanical databases on which it has been my privilege to build. She handed over to a neophyte the product of her labors, with grace and gentle support for which I was and remain grateful.

Primary funding for this project was provided by the U.S. Department of the Interior, Fish and Wildlife Service, with Grant EP-3-12 awarded under section 6 of the Endangered Species Act, and by the State of Nevada, who provided matching funds. Virtually all of the daily activities of the Nevada Natural Heritage Program for the past 15 years contributed to this atlas as well, and were funded variously by the U.S. Fish and Wildlife Service, the Bureau of Land Management, the Nevada Biodiversity Initiative, the U.S. Forest Service, The Nature Conservancy, and the State of Nevada.

All the data represented in this atlas were entered and are maintained using the Biological and Conservation Data System (BCD) software, 1996 version, created by The Nature Conservancy (TNC) and now supported by their offshoot organization, the Association for Biodiversity Information (ABI). ABI serves as the umbrella organization for the international network of national, state, and provincial Natural Heritage Programs and Conservation Data Centers, of which the Nevada Natural Heritage Program (NNHP) is a member. Most of the plant data forming this atlas were researched, assembled, analyzed, and entered into BCD by present and past staff of NNHP, including Eric Miskow, Jennifer Newmark, Eric Peterson, Carrie Carreño, Kim Goodwin, Tom Jenni, Michael Strathdee, Kevin Cooper, Teri Knight, Kris Kuyper, and Glenn Clemmer. Eric Miskow in particular was also most gracious in allowing me many hours of access to his BCD workstation for further data entry, often on very short notice. In many cases, these people also gathered, or assisted me in gathering, new data during field surveys.

Beyond NNHP, a substantial amount of the general species information compiled herein was researched and entered by the staff of other state Natural Heritage Programs, Conservation Data Centers, and of the central Heritage databases of ABI and TNC. This information is generally considered reliable, though in the context of Nevada some may be outdated, or otherwise may not yet have been reviewed by NNHP for relevance or accuracy within Nevada. Especially helpful have been the Natural

Heritage Program botanists in our neighboring states: California (Roxanne Bittman), Oregon (Sue Vrilakas, Jimmy Kagan), Idaho (Michael Mancuso, Robert Moseley), and Utah (Ben Franklin).

Nevertheless, most of the data assembled in Natural Heritage Program databases, in Nevada and elsewhere, originated outside those programs from the selfless contributions of numerous researchers and field workers interested in the timely conservation of species at risk. It is to these people and their organizations that I and NNHP are most especially grateful and indebted, and of whom it is most difficult to compile a comprehensive list. Many are acknowledged herein by the hundreds of literature citations of which they are authors. Many more, but probably not all, are included on the acknowledgments page of the Nevada Natural Heritage Program web site, (URL: <http://www.state.nv.us/nvnhp/thanks.htm>), or are listed as participants in recent Nevada Rare Plant Workshops (URL: <http://www.state.nv.us/nvnhp/workshop.htm>). A comprehensive listing of the collectors and authors of type specimens of Nevada plants can be found in Tiehm (1996). In addition to those already mentioned above, the following have been especially generous in their recent contributions and/or personal assistance (listed by organization if affiliated):

Thomas L. Ackerman, Glenn Clifton, Kristin F. Kuyper, Jackee Picciani, James L. Reveal, Frank J. (Buddy) Smith; The Nature Conservancy (Teri A. Knight, Janet L. Nachlinger, Daniel Pritchett); Northern Nevada Native Plant Society (Gary Monroe, Arnold Tiehm, Margaret J. Williams [deceased]); The New York Botanical Garden (Patricia K. Holmgren, Noel H. Holmgren, Rupert C. Barneby [deceased], Arthur Cronquist [deceased], Arnold Tiehm); Nevada State Museum (Ann Pinzl); University of Nevada system (Kathryn Birgy, David A. Charlet, Wesley E. Niles, Patrick J. Leary, Lloyd R. Stark); University of California system (Barbara Ertter); California State Lands Commission (Maurya Falkner); Tahoe Regional Planning Agency (Coleen Shade); Bureau of Land Management (Anne Halford, Dean Kinerson, Gayle Marrs-Smith, Randy McNatt, Tim Rash, Gary Schoolcraft); National Park Service (Jim Holland, Joe Sirotnak); U.S. Department of Energy and contractors (Kevin Blomquist, W. Kent Ostler); U.S. Fish and Wildlife Service (Janet Bair, Gina Glenne, Beth St. George); U.S. Forest Service (Steve Anderson, N. Duane Atwood, John W. Brack, Catherine Jean, Teresa Prendusi, Lisa Sims, Karen Zamudio). The Curators of the following herbaria generously provided access to the data contained in their collections: Nevada State Museum (NSMC), University of Nevada, Las Vegas (UNLV) and Reno (RENO, NESH), Brigham Young University (BRY), Intermountain Herbarium, Utah State University (UTC), Rocky Mountain Herbarium, University of Wyoming (RM), The New York Botanical Garden (NY), University and Jepson Herbaria, University of California, Berkeley (UC, JEPS), and Rancho Santa Ana Botanic Garden (RSA, POM).

Deborah Mattie and Glenn Clemmer provided invaluable help in duplicating and assembling the paper copies. Eric Peterson assisted in compiling and editing some of the map data layers, and shared programming ideas that helped automate the production of maps. All of the maps in this Atlas were designed and printed using ArcView® version 3.2a software by Environmental Systems Research Institute, Inc. (ESRI). The various data layers included on the maps were created and/or edited using this same software, and were in most cases based on data supplied by ESRI, the U.S. Geological Survey, the Biological Resources Research Center of the University of Nevada, Reno, or the Bureau of Land Management.

INTRODUCTION AND DEFINITIONS

This Nevada Rare Plant Atlas is extracted directly via automated means from the Biological and Conservation Data System databases maintained at the Nevada Natural Heritage Program. It includes 249 taxa of vascular plants, mosses, and lichens, out of 297 total taxa on the Nevada Natural Heritage Program's Sensitive and Watch tracking lists, for which substantial location information has been entered to date. Because data entry is in various stages of completion for different taxa, many of the maps and accompanying fact sheets do not reflect all that is known about particular taxa in Nevada. This will always remain true, as new data on Nevada's rarest plants are continually generated, gathered, and processed. For this reason, this atlas was produced in loose-leaf format to facilitate replacement and addition of pages as new information becomes available.

The last, and to my knowledge the only other, attempt to produce a comprehensive atlas of Nevada's rarest and/or most imperiled plant species occurred 21 years ago with the publication of *Threatened and Endangered Plants of Nevada: an illustrated manual* (Mozingo and Williams, 1980). This went somewhat beyond the current work by providing excellent and detailed line drawings of most taxa, and consistent, detailed descriptions and information on habitat and threats. This information has been updated for many, but not all, taxa included in the current atlas, and so it is inconsistent from one page to the next. As information continues to be entered, these pages will be updated periodically. While the emphasis of Mozingo and Williams (1980) was to provide an identification manual, the focus of the Nevada Rare Plant Atlas is to provide a synopsis of geographic distribution and current status information for each taxon. The illustrations are therefore absent (but cited from the literature, along with sources for photographs, when known to exist), and the maps are greatly expanded. Mozingo and Williams (1980) has become outdated with respect to the taxa currently of concern, and to our knowledge of their distribution and status, but remains an excellent (and often virtually the only) reference for illustrations and descriptions of many taxa.

Many other useful references for identifying Nevada's rarest (and common) plants are listed in the General References section below. Several rare plant field guides have been produced by the U.S. Forest Service and cooperating agencies for Nevada and the Intermountain Region (Anderson *et al.* 1991; Atwood *et al.* 1990, 1991; Fertig *et al.* 1994; Weixelman and Atwood 1990). The ongoing *Intermountain Flora* series (Barneby 1989; Cronquist *et al.* 1972-1997), though technical in approach, is and will remain the foremost descriptive source for most of Nevada's common and rare vascular plants. The floras of neighboring states (Hickman 1993; Kearney and Peebles 1960; Welsh *et al.* 1987, 1993) are immensely useful for taxa not included in the *Intermountain Flora* series. There are many (mostly rare) taxa endemic to Nevada, though, for which no modern floristic coverage exists. For these taxa, Mozingo and Williams (1980) and the present atlas may represent most of the recent information available. The current list of all plant taxa tracked by the Nevada Natural Heritage Program is maintained as the Detailed Rare Plant List on the Program's web site (URL: <http://www.state.nv.us/nvnhp/plantdet.htm>). The 297 taxa currently on this list represent about 10% of the vascular plant taxa known to grow without cultivation in Nevada.

The atlas maps, and many of the items on the accompanying rare plant fact sheets, are self-explanatory. In the Status section, the following abbreviations are used: **USFWS/ESA** = status under the Endangered Species Act as administered by the U.S. Department of the Interior, Fish and Wildlife Service; **BLM** = U.S. Department of the Interior, Bureau of Land Management; **USFS** = U.S. Department of Agriculture, Forest Service; **NNNPS** = Northern Nevada Native Plant Society.

Occasionally a Nevada plant species has status assigned under **IUCN** (International Union for the Conservation of Nature) or **CITES** (Convention on International Trade in Endangered Species), in which cases these statuses are also shown. More information on all status designations, ranks, and codes is available on the Nevada Natural Heritage Program web site listed on the inside front cover.

In the **Population Census** section, numbers of entered occurrences are provided at two different scales if the numbers differ: **0.1 mile** (0.16 km) minimum separation between mapped locations, which is the minimum mapping scale at which separate records are maintained by the Nevada Natural Heritage Program internally, and **1 km** (0.6 mile) minimum separation, which is an emerging nationwide standard for estimating Heritage ranks. Other Natural Heritage Programs currently use standards somewhere between these two extremes, so both are provided as indications of the minimum and maximum number of "reportable" Nevada occurrences for each taxon. The total **estimated individuals and area**, when provided, are simply totals of the available numbers entered in BCD for Nevada occurrences. In many cases these numbers are not available for the majority of occurrences, and numbers followed by a + symbol reflect moderate to large underestimates of the true totals.

In the **Phenology** section, the **survey months** are given as a **range that includes the 1-4 months in which the greatest number of surveys recorded for this taxon occurred**. For example, at taxon with surveys recorded only in May and July would be shown as May-July, surveys recorded in March, April, June, and July would be shown as March-July, and surveys recorded in May, June, July, August, September, and October, with the fewest in May and September, would be shown as June-October. This range provides an **indication only of when additional surveys are most likely to be successful**; i.e., when the taxon is most easily detected and identified, **not necessarily** when the taxon is in flower or any other particular phenologic stage.

The references cited for each taxon are divided up into sections. References for known **photographs** and **illustrations** are cited first, and may refer either to the general references listed separately at the end of this introductory section, or to specific references listed at the bottom of the fact sheet. These listings are not necessarily complete, and sometimes additional references not cited under these two headings may also contain photographs or illustrations. Any **other general references** not already cited are then listed, followed by **specific references** for each taxon that are **not** included in the general references. The **general references** are listed separately starting on page xvii of this introductory section. Therefore, to find the full citation for a reference, look **first** in the specific references on the fact sheet for the taxon in questions (if any), **then** in the **general references**.

As mentioned above, the information in some of the text sections of the fact sheets was in some cases entered by other state Natural Heritage Programs or Conservation Data Centers, and has not in all cases been reviewed for accuracy or currency relevant to Nevada. Any errors or discrepancies noted should be brought to the attention of the Nevada Natural Heritage Program for further review.

LIST OF 249 MAPPED VASCULAR PLANTS, MOSSES, AND LICHENS

Heritage Tracking (S=Sensitive List; W=Watch List)

List	Scientific Name	Common Name	Family
S	<i>Angelica scabrida</i>	rough angelica	Apiaceae
S	<i>Antennaria arcuata</i>	meadow pussytoes	Asteraceae
S	<i>Antennaria soliceps</i>	Charleston pussytoes	Asteraceae
S	<i>Arabis bodiensis</i>	Bodie Hills rockcress	Brassicaceae
S	<i>Arabis falcatoria</i>	Grouse Creek rockcress	Brassicaceae
S	<i>Arabis falcifruca</i>	Elko rockcress	Brassicaceae
S	<i>Arabis ophira</i>	Ophir rockcress	Brassicaceae
S	<i>Arabis pinzliae</i>	Pinzl rockcress	Brassicaceae
S	<i>Arabis rectissima</i> var. <i>simulans</i>	Washoe tall rockcress	Brassicaceae
S	<i>Arabis rigidissima</i> var. <i>demota</i>	Galena Creek rockcress	Brassicaceae
W	<i>Arabis shockleyi</i>	Shockley rockcress	Brassicaceae
S	<i>Arabis tiehmii</i>	Tiehm rockcress	Brassicaceae
S	<i>Arctomecon californica</i>	Las Vegas bearpoppy	Papaveraceae
S	<i>Arctomecon merriamii</i>	white bearpoppy	Papaveraceae
S	<i>Arenaria kingii</i> ssp. <i>rosea</i>	rosy King sandwort	Caryophyllaceae
S	<i>Arenaria stenomeris</i>	Meadow Valley sandwort	Caryophyllaceae
W	<i>Artemisia packardiae</i>	Packard mugwort	Asteraceae
W	<i>Artemisia papposa</i>	Owyhee sagebrush	Asteraceae
S	<i>Asclepias eastwoodiana</i>	Eastwood milkweed	Asclepiadaceae
S	<i>Aspicilia fruticulosa</i>	rim lichen	Hymeneliaceae
S	<i>Astragalus ackermanii</i>	Ackerman milkvetch	Fabaceae
S	<i>Astragalus aequalis</i>	Clokey milkvetch	Fabaceae
S	<i>Astragalus amphioxys</i> var. <i>musimonum</i>	Sheep Mountain milkvetch	Fabaceae
S	<i>Astragalus anserinus</i>	Goose Creek milkvetch	Fabaceae
S	<i>Astragalus beatleyae</i>	Beatley milkvetch	Fabaceae
W	<i>Astragalus callithrix</i>	Callaway milkvetch	Fabaceae
S	<i>Astragalus calycosus</i> var. <i>monophyllidius</i>	one-leaflet Torrey milkvetch	Fabaceae
S	<i>Astragalus cimae</i> var. <i>cimae</i>	Cima milkvetch	Fabaceae
W	<i>Astragalus convallarius</i> var. <i>finitimus</i>	Pine Valley milkvetch	Fabaceae
S	<i>Astragalus convallarius</i> var. <i>margaretiae</i>	Margaret rushy milkvetch	Fabaceae
S	<i>Astragalus diversifolius</i>	meadow milkvetch	Fabaceae
S	<i>Astragalus eurylobus</i>	Needle Mountains milkvetch	Fabaceae
S	<i>Astragalus funereus</i>	black woollypod	Fabaceae
S	<i>Astragalus geyeri</i> var. <i>triquetrus</i>	threecorner milkvetch	Fabaceae
S	<i>Astragalus gilmanii</i>	Gilman milkvetch	Fabaceae
S	<i>Astragalus johannis-howellii</i>	Long Valley milkvetch	Fabaceae
S	<i>Astragalus lentiginosus</i> var. <i>latus</i>	broad-pod freckled milkvetch	Fabaceae
S	<i>Astragalus lentiginosus</i> var. <i>sesquimetralis</i>	Sodaville milkvetch	Fabaceae
S	<i>Astragalus mohavensis</i> var. <i>hemigyris</i>	halfring milkvetch	Fabaceae
W	<i>Astragalus mohavensis</i> var. <i>mohavensis</i>	Mojave milkvetch	Fabaceae
S	<i>Astragalus mokiaccensis</i>	Mokiak milkvetch	Fabaceae
S	<i>Astragalus nyensis</i>	Nye milkvetch	Fabaceae
S	<i>Astragalus oophorus</i> var. <i>clokeyanus</i>	Clokey eggvetch	Fabaceae
S	<i>Astragalus oophorus</i> var. <i>lavinii</i>	Lavin eggvetch	Fabaceae
S	<i>Astragalus oophorus</i> var. <i>lonchocalyx</i>	long-calyx eggvetch	Fabaceae

S	<i>Astragalus phoenix</i>	Ash Meadows milkvetch	<i>Fabaceae</i>
W	<i>Astragalus porrectus</i>	Lahontan milkvetch	<i>Fabaceae</i>
S	<i>Astragalus pseudiodanthus</i>	Tonopah milkvetch	<i>Fabaceae</i>
W	<i>Astragalus pterocarpus</i>	winged milkvetch	<i>Fabaceae</i>
S	<i>Astragalus pulsiferae</i> var. <i>pulsiferae</i>	Pulsifer milkvetch	<i>Fabaceae</i>
S	<i>Astragalus pulsiferae</i> var. <i>suksdorfii</i>	Suksdorf milkvetch	<i>Fabaceae</i>
S	<i>Astragalus remotus</i>	Spring Mountains milkvetch	<i>Fabaceae</i>
S	<i>Astragalus robbinsii</i> var. <i>occidentalis</i>	Lamoille Canyon milkvetch	<i>Fabaceae</i>
W	<i>Astragalus serenoii</i> var. <i>sordescens</i>	squalid milkvetch	<i>Fabaceae</i>
S	<i>Astragalus solitarius</i>	lonesome milkvetch	<i>Fabaceae</i>
S	<i>Astragalus tiehmii</i>	Tiehm milkvetch	<i>Fabaceae</i>
S	<i>Astragalus toquimanus</i>	Toquima milkvetch	<i>Fabaceae</i>
S	<i>Astragalus uncialis</i>	Currant milkvetch	<i>Fabaceae</i>
S	<i>Astragalus yoder-williamsii</i>	Osgood Mountains milkvetch	<i>Fabaceae</i>
S	<i>Botrychium ascendens</i>	upswept moonwort	<i>Ophioglossaceae</i>
S	<i>Botrychium crenulatum</i>	dainty moonwort	<i>Ophioglossaceae</i>
S	<i>Calochortus striatus</i>	alkali mariposa lily	<i>Liliaceae</i>
S	<i>Camissonia megalantha</i>	Cane Spring suncup	<i>Onagraceae</i>
W	<i>Camissonia nevadensis</i>	Nevada suncup	<i>Onagraceae</i>
W	<i>Castilleja martinii</i> var. <i>clokeyi</i>	Clokey paintbrush	<i>Scrophulariaceae</i>
S	<i>Castilleja salsuginosa</i>	Monte Neva paintbrush	<i>Scrophulariaceae</i>
S	<i>Caulanthus barnebyi</i>	Barneby stemflower	<i>Brassicaceae</i>
S	<i>Centaurium namophilum</i>	spring-loving centaury	<i>Gentianaceae</i>
S	<i>Chrysothamnus eremobius</i>	remote rabbitbrush	<i>Asteraceae</i>
S	<i>Cirsium clokeyi</i>	Clokey thistle	<i>Asteraceae</i>
S	<i>Cirsium virginense</i>	Virgin River thistle	<i>Asteraceae</i>
S	<i>Collomia renacta</i>	Barren Valley collomia	<i>Polemoniaceae</i>
S	<i>Cordylanthus tecopensis</i>	Tecopa birdsbeak	<i>Scrophulariaceae</i>
S	<i>Crossidium seriatum</i>	seriate crossidium	<i>Pottiaceae</i>
S	<i>Cryptantha insolita</i>	unusual catseye	<i>Boraginaceae</i>
S	<i>Cryptantha schoolcraftii</i>	Schoolcraft catseye	<i>Boraginaceae</i>
W	<i>Cryptantha tumulosa</i>	New York Mountains catseye	<i>Boraginaceae</i>
S	<i>Cryptantha welshii</i>	White River catseye	<i>Boraginaceae</i>
S	<i>Cusickiella quadricostata</i>	Bodie Hills draba	<i>Brassicaceae</i>
S	<i>Cymopterus basalticus</i>	intermountain wavewing	<i>Apiaceae</i>
S	<i>Cymopterus cinerarius</i>	gray wavewing	<i>Apiaceae</i>
S	<i>Cymopterus goodrichii</i>	Goodrich biscuitroot	<i>Apiaceae</i>
W	<i>Cymopterus ripleyi</i> var. <i>ripleyi</i>	Ripley biscuitroot	<i>Apiaceae</i>
S	<i>Cymopterus ripleyi</i> var. <i>saniculoides</i>	sanicle biscuitroot	<i>Apiaceae</i>
S	<i>Didymodon nevadensis</i>	Gold Butte moss	<i>Pottiaceae</i>
S	<i>Draba arida</i>	desert whitlowgrass	<i>Brassicaceae</i>
S	<i>Draba asterophora</i> var. <i>asterophora</i>	Tahoe draba	<i>Brassicaceae</i>
S	<i>Draba brachystylis</i>	Wasatch draba	<i>Brassicaceae</i>
S	<i>Draba californica</i>	California draba	<i>Brassicaceae</i>
W	<i>Draba cusickii</i> var. <i>pedicellata</i>	stalked Cusick whitlowgrass	<i>Brassicaceae</i>
S	<i>Draba jaegeri</i>	Jaeger whitlowgrass	<i>Brassicaceae</i>
S	<i>Draba oreibata</i> var. <i>serpentina</i>	Snake Range whitlowgrass	<i>Brassicaceae</i>
S	<i>Draba paucifruca</i>	Charleston draba	<i>Brassicaceae</i>
S	<i>Draba pennellii</i>	Pennell draba	<i>Brassicaceae</i>
S	<i>Draba subumbellata</i>	White Mountains cushion draba	<i>Brassicaceae</i>
W	<i>Dudleya pulverulenta</i>	chalk liveforever	<i>Crassulaceae</i>

W	<i>Elodea nevadensis</i>	Nevada waterweed	<i>Hydrocharitaceae</i>
S	<i>Enceliopsis argophylla</i>	silverleaf sunray	<i>Asteraceae</i>
S	<i>Enceliopsis nudicaulis</i> var. <i>corrugata</i>	Ash Meadows sunray	<i>Asteraceae</i>
S	<i>Entosthodon planoconvexus</i>	planoconvex entosthodon	<i>Funariaceae</i>
S	<i>Epilobium nevadense</i>	Nevada willowherb	<i>Onagraceae</i>
S	<i>Ericameria cervina</i>	Antelope Canyon goldenbush	<i>Asteraceae</i>
S	<i>Ericameria compacta</i>	Charleston goldenbush	<i>Asteraceae</i>
W	<i>Ericameria watsonii</i>	Watson goldenbush	<i>Asteraceae</i>
S	<i>Erigeron latus</i>	broad fleabane	<i>Asteraceae</i>
S	<i>Erigeron ovinus</i>	sheep fleabane	<i>Asteraceae</i>
W	<i>Erigeron uncialis</i> var. <i>conjugans</i>	inch high fleabane	<i>Asteraceae</i>
W	<i>Erigeron uncialis</i> var. <i>uncialis</i>	limestone daisy	<i>Asteraceae</i>
S	<i>Eriogonum ampullaceum</i>	Mono buckwheat	<i>Polygonaceae</i>
S	<i>Eriogonum anemophilum</i>	windloving buckwheat	<i>Polygonaceae</i>
S	<i>Eriogonum argophyllum</i>	Sulphur Springs buckwheat	<i>Polygonaceae</i>
S	<i>Eriogonum beatleyae</i>	Beatley buckwheat	<i>Polygonaceae</i>
S	<i>Eriogonum bifurcatum</i>	Pahrump Valley buckwheat	<i>Polygonaceae</i>
S	<i>Eriogonum concinnum</i>	Darin buckwheat	<i>Polygonaceae</i>
W	<i>Eriogonum contiguum</i>	Amargosa buckwheat	<i>Polygonaceae</i>
W	<i>Eriogonum corymbosum</i> var. <i>glutinosum</i>	golden buckwheat	<i>Polygonaceae</i>
S	<i>Eriogonum crosbyae</i>	Crosby buckwheat	<i>Polygonaceae</i>
W	<i>Eriogonum darrovii</i>	Darrow buckwheat	<i>Polygonaceae</i>
S	<i>Eriogonum esmeraldense</i> var. <i>toiyabense</i>	Toiyabe buckwheat	<i>Polygonaceae</i>
S	<i>Eriogonum heermannii</i> var. <i>clokeyi</i>	Clokey buckwheat	<i>Polygonaceae</i>
S	<i>Eriogonum holmgrenii</i>	Holmgren buckwheat	<i>Polygonaceae</i>
W	<i>Eriogonum lemmonii</i>	Lemmon buckwheat	<i>Polygonaceae</i>
S	<i>Eriogonum lewisii</i>	Lewis buckwheat	<i>Polygonaceae</i>
W	<i>Eriogonum ovalifolium</i> var. <i>caelestinum</i>	heavenly buckwheat	<i>Polygonaceae</i>
S	<i>Eriogonum ovalifolium</i> var. <i>williamsiae</i>	Steamboat buckwheat	<i>Polygonaceae</i>
S	<i>Eriogonum phoeniceum</i>	scarlet buckwheat	<i>Polygonaceae</i>
S	<i>Eriogonum prociduum</i>	prostrate buckwheat	<i>Polygonaceae</i>
S	<i>Eriogonum robustum</i>	altered andesite buckwheat	<i>Polygonaceae</i>
S	<i>Eriogonum</i> sp.	Churchill Narrows buckwheat	<i>Polygonaceae</i>
S	<i>Eriogonum tiehmii</i>	Tiehm buckwheat	<i>Polygonaceae</i>
S	<i>Eriogonum viscidulum</i>	sticky buckwheat	<i>Polygonaceae</i>
S	<i>Frasera gypsicola</i>	Sunnyside green gentian	<i>Gentianaceae</i>
S	<i>Frasera pahutensis</i>	Pahute green gentian	<i>Gentianaceae</i>
S	<i>Galium hilendiae</i> ssp. <i>kingstonense</i>	Kingston Mountains bedstraw	<i>Rubiaceae</i>
W	<i>Gilia heterostyla</i>	Cochrane gilia	<i>Polemoniaceae</i>
W	<i>Gilia nyensis</i>	Nye gilia	<i>Polemoniaceae</i>
W	<i>Gilia ripleyi</i>	Ripley gilia	<i>Polemoniaceae</i>
S	<i>Glossopetalon clokeyi</i>	Clokey greasebush	<i>Crossosomataceae</i>
S	<i>Glossopetalon pungens</i> var. <i>glabrum</i>	smooth dwarf greasebush	<i>Crossosomataceae</i>
S	<i>Glossopetalon pungens</i> var. <i>pungens</i>	rough dwarf greasebush	<i>Crossosomataceae</i>
S	<i>Grimmia americana</i>	American grimmia	<i>Grimmiaceae</i>
S	<i>Grindelia fraxinoprattensis</i>	Ash Meadows gumplant	<i>Asteraceae</i>
W	<i>Hackelia cusickii</i>	Cusick stickseed	<i>Boraginaceae</i>
W	<i>Hackelia ophiobia</i>	rattlesnake stickseed	<i>Boraginaceae</i>
S	<i>Helianthus deserticola</i>	desert sunflower	<i>Asteraceae</i>
S	<i>Hulsea vestita</i> ssp. <i>inyoensis</i>	Inyo hulsea	<i>Asteraceae</i>
S	<i>Ionactis caelestis</i>	Red Rock Canyon aster	<i>Asteraceae</i>

S	<i>Ipomopsis congesta</i> var. <i>nevadensis</i>	Toiyabe gilia	<i>Polemoniaceae</i>
S	<i>Ivesia aperta</i> var. <i>aperta</i>	Sierra Valley ivesia	<i>Rosaceae</i>
S	<i>Ivesia arizonica</i> var. <i>saxosa</i>	rock purpusia	<i>Rosaceae</i>
S	<i>Ivesia cryptocaulis</i>	hidden ivesia	<i>Rosaceae</i>
S	<i>Ivesia jaegeri</i>	Jaeger ivesia	<i>Rosaceae</i>
S	<i>Ivesia kingii</i> var. <i>eremica</i>	Ash Meadows ivesia	<i>Rosaceae</i>
S	<i>Ivesia pityocharis</i>	Pine Nut Mountains ivesia	<i>Rosaceae</i>
S	<i>Ivesia rhypara</i> var. <i>rhypara</i>	grimy ivesia	<i>Rosaceae</i>
S	<i>Ivesia webberi</i>	Webber ivesia	<i>Rosaceae</i>
S	<i>Jamesia tetrapetala</i>	waxflower	<i>Hydrangeaceae</i>
S	<i>Lathyrus grimesii</i>	Grimes vetchling	<i>Fabaceae</i>
S	<i>Lathyrus hitchcockianus</i>	Bullfrog Hills sweetpea	<i>Fabaceae</i>
S	<i>Lepidium davisii</i>	Davis peppergrass	<i>Brassicaceae</i>
S	<i>Lepidium montanum</i> var. <i>nevadense</i>	Pueblo Valley peppergrass	<i>Brassicaceae</i>
S	<i>Leptodactylon glabrum</i>	Bruneau River prickly phlox	<i>Polemoniaceae</i>
W	<i>Lesquerella goodrichii</i>	Goodrich bladderpod	<i>Brassicaceae</i>
W	<i>Lesquerella hitchcockii</i>	Hitchcock bladderpod	<i>Brassicaceae</i>
S	<i>Lewisia maguirei</i>	Maguire bitterroot	<i>Portulacaceae</i>
W	<i>Lomatium graveolens</i> var. <i>alpinum</i>	Clark parsley	<i>Apiaceae</i>
S	<i>Lomatium packardiae</i>	Succor Creek parsley	<i>Apiaceae</i>
S	<i>Lomatium roseanum</i>	adobe parsley	<i>Apiaceae</i>
W	<i>Machaeranthera grindelioides</i> var. <i>depressa</i>	rayless tansy aster	<i>Asteraceae</i>
W	<i>Mentzelia candelariae</i>	Candelaria blazing-star	<i>Loasaceae</i>
S	<i>Mentzelia leucophylla</i>	Ash Meadows blazingstar	<i>Loasaceae</i>
S	<i>Mentzelia mollis</i>	smooth stickleaf	<i>Loasaceae</i>
S	<i>Mentzelia packardiae</i>	Packard stickleaf	<i>Loasaceae</i>
S	<i>Mimulus ovatus</i>	Steamboat monkeyflower	<i>Scrophulariaceae</i>
S	<i>Nitrophila mohavensis</i>	Amargosa niterwort	<i>Chenopodiaceae</i>
S	<i>Opuntia pulchella</i>	sand cholla	<i>Cactaceae</i>
S	<i>Opuntia whipplei</i> var. <i>multigeniculata</i>	Blue Diamond cholla	<i>Cactaceae</i>
S	<i>Oryctes nevadensis</i>	oryctes	<i>Solanaceae</i>
W	<i>Oxytheca watsonii</i>	Watson spinecup	<i>Polygonaceae</i>
W	<i>Pedicularis semibarbata</i> var. <i>charlestonensis</i>	Charleston pinewood lousewort	<i>Scrophulariaceae</i>
S	<i>Pediomelum castoreum</i>	Beaver Dam breadroot	<i>Fabaceae</i>
S	<i>Penstemon albomarginatus</i>	white-margined beardtongue	<i>Scrophulariaceae</i>
S	<i>Penstemon arenarius</i>	Nevada dune beardtongue	<i>Scrophulariaceae</i>
S	<i>Penstemon bicolor</i> ssp. <i>bicolor</i>	yellow twotone beardtongue	<i>Scrophulariaceae</i>
S	<i>Penstemon bicolor</i> ssp. <i>roseus</i>	rosy twotone beardtongue	<i>Scrophulariaceae</i>
S	<i>Penstemon concinnus</i>	Tunnel Springs beardtongue	<i>Scrophulariaceae</i>
S	<i>Penstemon floribundus</i>	Cordelia beardtongue	<i>Scrophulariaceae</i>
S	<i>Penstemon fruticiformis</i> ssp. <i>amargosae</i>	Death Valley beardtongue	<i>Scrophulariaceae</i>
S	<i>Penstemon leiophyllus</i> var. <i>francisci-pennellii</i>	Pennell beardtongue	<i>Scrophulariaceae</i>
S	<i>Penstemon leiophyllus</i> var. <i>keckii</i>	Charleston beardtongue	<i>Scrophulariaceae</i>
S	<i>Penstemon moriahensis</i>	Mount Moriah beardtongue	<i>Scrophulariaceae</i>
S	<i>Penstemon pahutensis</i>	Pahute Mesa beardtongue	<i>Scrophulariaceae</i>
S	<i>Penstemon palmeri</i> var. <i>macranthus</i>	Lahontan beardtongue	<i>Scrophulariaceae</i>
S	<i>Penstemon patricus</i>	dad's penstemon	<i>Scrophulariaceae</i>
S	<i>Penstemon pudicus</i>	bashful beardtongue	<i>Scrophulariaceae</i>
S	<i>Penstemon rhizomatosus</i>	rhizome beardtongue	<i>Scrophulariaceae</i>
S	<i>Penstemon rubicundus</i>	Wassuk beardtongue	<i>Scrophulariaceae</i>
S	<i>Penstemon thompsoniae</i> ssp. <i>jaegeri</i>	Jaeger beardtongue	<i>Scrophulariaceae</i>

S	<i>Penstemon tiehmii</i>	Tiehm beardtongue	Scrophulariaceae
W	<i>Perityle intricata</i>	delicate rockdaisy	Asteraceae
W	<i>Phacelia anelsonii</i>	Aven Nelson phacelia	Hydrophyllaceae
S	<i>Phacelia beatleyae</i>	Beatley scorpion plant	Hydrophyllaceae
W	<i>Phacelia glaberrima</i>	Reese River phacelia	Hydrophyllaceae
S	<i>Phacelia inconspicua</i>	obscure scorpion plant	Hydrophyllaceae
S	<i>Phacelia inundata</i>	playa phacelia	Hydrophyllaceae
S	<i>Phacelia minutissima</i>	least phacelia	Hydrophyllaceae
S	<i>Phacelia monoensis</i>	Mono County phacelia	Hydrophyllaceae
S	<i>Phacelia mustelina</i>	weasel phacelia	Hydrophyllaceae
S	<i>Phacelia parishii</i>	Parish phacelia	Hydrophyllaceae
S	<i>Phacelia</i> sp.	overlooked phacelia	Hydrophyllaceae
S	<i>Pinus washoensis</i>	Washoe pine	Pinaceae
S	<i>Plagiobothrys glomeratus</i>	altered andesite popcornflower	Boraginaceae
S	<i>Poa abbreviata</i> ssp. <i>marshii</i>	Marsh bluegrass	Poaceae
S	<i>Polemonium chartaceum</i>	White Mountain skypilot	Polemoniaceae
S	<i>Polyctenium williamsiae</i>	Williams combleaf	Brassicaceae
S	<i>Porophyllum pygmaeum</i>	pygmy poreleaf	Asteraceae
S	<i>Potentilla basaltica</i>	Soldier Meadow cinquefoil	Rosaceae
S	<i>Potentilla cottamii</i>	Cottam cinquefoil	Rosaceae
S	<i>Primula capillaris</i>	Ruby Mountains primrose	Primulaceae
S	<i>Primula cusickiana</i> var. <i>nevadensis</i>	Nevada primrose	Primulaceae
S	<i>Psoralea kingii</i>	Lahontan indigobush	Fabaceae
S	<i>Rorippa subumbellata</i>	Tahoe yellowcress	Brassicaceae
S	<i>Salvia dorrii</i> var. <i>clokeyi</i>	Clokey mountain sage	Lamiaceae
S	<i>Salvia funerea</i>	Death Valley sage	Lamiaceae
S	<i>Sclerocactus blainei</i>	Blaine pincushion	Cactaceae
S	<i>Sclerocactus nyensis</i>	Tonopah fishhook cactus	Cactaceae
S	<i>Sclerocactus polyancistrus</i>	hermit cactus	Cactaceae
S	<i>Sclerocactus schlesseri</i>	Schlesser pincushion	Cactaceae
W	<i>Scutellaria holmgreniorum</i>	Ravendale skullcap	Lamiaceae
S	<i>Selaginella utahensis</i>	Utah spikemoss	Selaginellaceae
S	<i>Silene clokeyi</i>	Clokey catchfly	Caryophyllaceae
S	<i>Silene nachlingerae</i>	Nachlinger catchfly	Caryophyllaceae
S	<i>Smelowskia holmgrenii</i>	Holmgren smelowskia	Brassicaceae
S	<i>Sphaeralcea caespitosa</i>	Jones globemallow	Malvaceae
S	<i>Sphaeromeria compacta</i>	Charleston tansy	Asteraceae
S	<i>Spiranthes diluvialis</i>	Ute lady's tresses	Orchidaceae
S	<i>Spiranthes infernalis</i>	Ash Meadows lady's tresses	Orchidaceae
S	<i>Streptanthus oliganthus</i>	Masonic Mountain jewelflower	Brassicaceae
S	<i>Stroganowia tiehmii</i>	Tiehm stroganowia	Brassicaceae
S	<i>Synthyris ranunculina</i>	Charleston kittentails	Scrophulariaceae
S	<i>Tonestus alpinus</i>	alpine tonestus	Asteraceae
S	<i>Tonestus graniticus</i>	Lone Mountain tonestus	Asteraceae
S	<i>Townsendia jonesii</i> var. <i>tumulosa</i>	Charleston grounddaisy	Asteraceae
S	<i>Trichostomum sweetii</i>	Sweet trichostomum	Pottiaceae
S	<i>Trifolium andinum</i> var. <i>podocephalum</i>	Currant Summit clover	Fabaceae
S	<i>Trifolium leibergii</i>	Leiberg clover	Fabaceae
S	<i>Trifolium rollinsii</i>	Rollins clover	Fabaceae
S	<i>Viola lithion</i>	rock violet	Violaceae
S	<i>Viola purpurea</i> var. <i>charlestonensis</i>	Charleston violet	Violaceae

LIST OF MAPPED TAXA BY MAJOR GROUP AND FAMILYHeritage (S=Sensitive List; W=Watch List)
Tracking

List	Scientific Name	Common Name
Bryophytes (mosses and allies)		
<u>family: Funariaceae</u>		
S	<i>Entosthodon planoconvexus</i>	planoconvex entosthodon
<u>family: Grimmiaceae</u>		
S	<i>Grimmia americana</i>	American grimmia
<u>family: Pottiaceae</u>		
S	<i>Crossidium seriatum</i>	seriate crossidium
S	<i>Didymodon nevadensis</i>	Gold Butte moss
S	<i>Trichostomum sweetii</i>	Sweet trichostomum
Pteridophytes (ferns and allies)		
<u>family: Ophioglossaceae</u>		
S	<i>Botrychium ascendens</i>	upswept moonwort
S	<i>Botrychium crenulatum</i>	dainty moonwort
<u>family: Selaginellaceae</u>		
S	<i>Selaginella utahensis</i>	Utah spikemoss
Gymnosperms (conifers and allies)		
<u>family: Pinaceae</u>		
S	<i>Pinus washoensis</i>	Washoe pine
Flowering Dicots		
<u>family: Apiaceae</u>		
S	<i>Angelica scabrida</i>	rough angelica
S	<i>Cymopterus basalticus</i>	intermountain wavewing
S	<i>Cymopterus cinerarius</i>	gray wavewing
S	<i>Cymopterus goodrichii</i>	Goodrich biscuitroot
W	<i>Cymopterus ripleyi</i> var. <i>ripleyi</i>	Ripley biscuitroot
S	<i>Cymopterus ripleyi</i> var. <i>saniculoides</i>	sanicle biscuitroot
W	<i>Lomatium graveolens</i> var. <i>alpinum</i>	Clark parsley
S	<i>Lomatium packardiae</i>	Succor Creek parsley
S	<i>Lomatium roseanum</i>	adobe parsley
<u>family: Asclepiadaceae</u>		
S	<i>Asclepias eastwoodiana</i>	Eastwood milkweed
<u>family: Asteraceae</u>		
S	<i>Antennaria arcuata</i>	meadow pussytoes
S	<i>Antennaria soliceps</i>	Charleston pussytoes
W	<i>Artemisia packardiae</i>	Packard mugwort
W	<i>Artemisia papposa</i>	Owyhee sagebrush
S	<i>Chrysothamnus eremobius</i>	remote rabbitbrush
S	<i>Cirsium clokeyi</i>	Clokey thistle
S	<i>Cirsium virginense</i>	Virgin River thistle

S	<i>Enceliopsis argophylla</i>	silverleaf sunray
S	<i>Enceliopsis nudicaulis</i> var. <i>corrugata</i>	Ash Meadows sunray
S	<i>Ericameria cervina</i>	Antelope Canyon goldenbush
S	<i>Ericameria compacta</i>	Charleston goldenbush
W	<i>Ericameria watsonii</i>	Watson goldenbush
S	<i>Erigeron latus</i>	broad fleabane
S	<i>Erigeron ovinus</i>	sheep fleabane
W	<i>Erigeron uncialis</i> var. <i>conjugans</i>	inch high fleabane
W	<i>Erigeron uncialis</i> var. <i>uncialis</i>	limestone daisy
S	<i>Grindelia fraxinoprattensis</i>	Ash Meadows gumplant
S	<i>Helianthus deserticola</i>	desert sunflower
S	<i>Hulsea vestita</i> ssp. <i>inyoensis</i>	Inyo hulsea
S	<i>Ionactis caelestis</i>	Red Rock Canyon aster
W	<i>Machaeranthera grindelioides</i> var. <i>depressa</i>	rayless tansy aster
W	<i>Perityle intricata</i>	delicate rockdaisy
S	<i>Porophyllum pygmaeum</i>	pygmy poreleaf
S	<i>Sphaeromeria compacta</i>	Charleston tansy
S	<i>Tonestus alpinus</i>	alpine tonestus
S	<i>Tonestus graniticus</i>	Lone Mountain tonestus
S	<i>Townsendia jonesii</i> var. <i>tumulosa</i>	Charleston grounddaisy

family: Boraginaceae

S	<i>Cryptantha insolita</i>	unusual catseye
S	<i>Cryptantha schoolcraftii</i>	Schoolcraft catseye
W	<i>Cryptantha tumulosa</i>	New York Mountains catseye
S	<i>Cryptantha welshii</i>	White River catseye
W	<i>Hackelia cusickii</i>	Cusick stickseed
W	<i>Hackelia ophiobia</i>	rattlesnake stickseed
S	<i>Plagiobothrys glomeratus</i>	altered andesite popcornflower

family: Brassicaceae

S	<i>Arabis bodiensis</i>	Bodie Hills rockcress
S	<i>Arabis falcatoria</i>	Grouse Creek rockcress
S	<i>Arabis falcifructa</i>	Elko rockcress
S	<i>Arabis ophira</i>	Ophir rockcress
S	<i>Arabis pinzliae</i>	Pinzl rockcress
S	<i>Arabis rectissima</i> var. <i>simulans</i>	Washoe tall rockcress
S	<i>Arabis rigidissima</i> var. <i>demota</i>	Galena Creek rockcress
W	<i>Arabis shockleyi</i>	Shockley rockcress
S	<i>Arabis tiehmii</i>	Tiehm rockcress
S	<i>Caulanthus barnebyi</i>	Barneby stemflower
S	<i>Cusickiella quadricostata</i>	Bodie Hills draba
S	<i>Draba arida</i>	desert whitlowgrass
S	<i>Draba asterophora</i> var. <i>asterophora</i>	Tahoe draba
S	<i>Draba brachystylis</i>	Wasatch draba
S	<i>Draba californica</i>	California draba
W	<i>Draba cusickii</i> var. <i>pedicellata</i>	stalked Cusick whitlowgrass
S	<i>Draba jaegeri</i>	Jaeger whitlowgrass
S	<i>Draba oreibata</i> var. <i>serpentina</i>	Snake Range whitlowgrass
S	<i>Draba paucifructa</i>	Charleston draba
S	<i>Draba pennellii</i>	Pennell draba
S	<i>Draba subumbellata</i>	White Mountains cushion draba

S	<i>Lepidium davisii</i>	Davis peppergrass
S	<i>Lepidium montanum</i> var. <i>nevadense</i>	Pueblo Valley peppergrass
W	<i>Lesquerella goodrichii</i>	Goodrich bladderpod
W	<i>Lesquerella hitchcockii</i>	Hitchcock bladderpod
S	<i>Polyctenium williamsiae</i>	Williams combleaf
S	<i>Rorippa subumbellata</i>	Tahoe yellowcress
S	<i>Smelowskia holmgrenii</i>	Holmgren smelowskia
S	<i>Streptanthus oliganthus</i>	Masonic Mountain jewelflower
S	<i>Stroganowia tiehmii</i>	Tiehm stroganowia
<u>family: Cactaceae</u>		
S	<i>Opuntia pulchella</i>	sand cholla
S	<i>Opuntia whipplei</i> var. <i>multigeniculata</i>	Blue Diamond cholla
S	<i>Sclerocactus blainei</i>	Blaine pincushion
S	<i>Sclerocactus nyensis</i>	Tonopah fishhook cactus
S	<i>Sclerocactus polyancistrus</i>	hermit cactus
S	<i>Sclerocactus schlesseri</i>	Schlesser pincushion
<u>family: Caryophyllaceae</u>		
S	<i>Arenaria kingii</i> ssp. <i>rosea</i>	rosy King sandwort
S	<i>Arenaria stenomeris</i>	Meadow Valley sandwort
S	<i>Silene clokeyi</i>	Clokey catchfly
S	<i>Silene nachlingerae</i>	Nachlinger catchfly
<u>family: Chenopodiaceae</u>		
S	<i>Nitrophila mohavensis</i>	Amargosa niterwort
<u>family: Crassulaceae</u>		
W	<i>Dudleya pulverulenta</i>	chalk liveforever
<u>family: Crossosomataceae</u>		
S	<i>Glossopetalon clokeyi</i>	Clokey greasebush
S	<i>Glossopetalon pungens</i> var. <i>glabrum</i>	smooth dwarf greasebush
S	<i>Glossopetalon pungens</i> var. <i>pungens</i>	rough dwarf greasebush
<u>family: Fabaceae</u>		
S	<i>Astragalus ackermanii</i>	Ackerman milkvetch
S	<i>Astragalus aequalis</i>	Clokey milkvetch
S	<i>Astragalus amphioxys</i> var. <i>musimonum</i>	Sheep Mountain milkvetch
S	<i>Astragalus anserinus</i>	Goose Creek milkvetch
S	<i>Astragalus beatleyae</i>	Beatley milkvetch
W	<i>Astragalus callithrix</i>	Callaway milkvetch
S	<i>Astragalus calycosus</i> var. <i>monophyllidius</i>	one-leaflet Torrey milkvetch
S	<i>Astragalus cimae</i> var. <i>cimae</i>	Cima milkvetch
W	<i>Astragalus convallarius</i> var. <i>finitimus</i>	Pine Valley milkvetch
S	<i>Astragalus convallarius</i> var. <i>margaretiae</i>	Margaret rushy milkvetch
S	<i>Astragalus diversifolius</i>	meadow milkvetch
S	<i>Astragalus eurylobus</i>	Needle Mountains milkvetch
S	<i>Astragalus funereus</i>	black woollypod
S	<i>Astragalus geyeri</i> var. <i>triquetrus</i>	threecorner milkvetch
S	<i>Astragalus gilmanii</i>	Gilman milkvetch
S	<i>Astragalus johannis-howellii</i>	Long Valley milkvetch
S	<i>Astragalus lentiginosus</i> var. <i>latus</i>	broad-pod freckled milkvetch
S	<i>Astragalus lentiginosus</i> var. <i>sesquimetalis</i>	Sodaville milkvetch

S	<i>Astragalus mohavensis</i> var. <i>hemigyris</i>	halfring milkvetch
W	<i>Astragalus mohavensis</i> var. <i>mohavensis</i>	Mojave milkvetch
S	<i>Astragalus mokiensis</i>	Mokiak milkvetch
S	<i>Astragalus nyensis</i>	Nye milkvetch
S	<i>Astragalus oophorus</i> var. <i>clokeyanus</i>	Clokey eggvetch
S	<i>Astragalus oophorus</i> var. <i>lavinii</i>	Lavin eggvetch
S	<i>Astragalus oophorus</i> var. <i>lonchocalyx</i>	long-calyx eggvetch
S	<i>Astragalus phoenix</i>	Ash Meadows milkvetch
W	<i>Astragalus porrectus</i>	Lahontan milkvetch
S	<i>Astragalus pseudodanthus</i>	Tonopah milkvetch
W	<i>Astragalus pterocarpus</i>	winged milkvetch
S	<i>Astragalus pulsiferae</i> var. <i>pulsiferae</i>	Pulsifer milkvetch
S	<i>Astragalus pulsiferae</i> var. <i>suksdorfii</i>	Suksdorf milkvetch
S	<i>Astragalus remotus</i>	Spring Mountains milkvetch
S	<i>Astragalus robbinsii</i> var. <i>occidentalis</i>	Lamoille Canyon milkvetch
W	<i>Astragalus serenoii</i> var. <i>sordescens</i>	squalid milkvetch
S	<i>Astragalus solitarius</i>	lonesome milkvetch
S	<i>Astragalus tiehmii</i>	Tiehm milkvetch
S	<i>Astragalus toquimanus</i>	Toquima milkvetch
S	<i>Astragalus uncialis</i>	Currant milkvetch
S	<i>Astragalus yoder-williamsii</i>	Osgood Mountains milkvetch
S	<i>Lathyrus grimesii</i>	Grimes vetchling
S	<i>Lathyrus hitchcockianus</i>	Bullfrog Hills sweetpea
S	<i>Pediomelum castoreum</i>	Beaver Dam breadroot
S	<i>Psoralea kingii</i>	Lahontan indigobush
S	<i>Trifolium andinum</i> var. <i>podocephalum</i>	Currant Summit clover
S	<i>Trifolium leibergii</i>	Leiberg clover
S	<i>Trifolium rollinsii</i>	Rollins clover
<u>family: Gentianaceae</u>		
S	<i>Centaurium namophilum</i>	spring-loving centaury
S	<i>Frasera gypsicola</i>	Sunnyside green gentian
S	<i>Frasera pahutensis</i>	Pahute green gentian
<u>family: Hydrangeaceae</u>		
S	<i>Jamesia tetrapetala</i>	waxflower
<u>family: Hydrophyllaceae</u>		
W	<i>Phacelia anelsonii</i>	Aven Nelson phacelia
S	<i>Phacelia beatleyae</i>	Beatley scorpion plant
W	<i>Phacelia glaberrima</i>	Reese River phacelia
S	<i>Phacelia inconspicua</i>	obscure scorpion plant
S	<i>Phacelia inundata</i>	playa phacelia
S	<i>Phacelia minutissima</i>	least phacelia
S	<i>Phacelia monoensis</i>	Mono County phacelia
S	<i>Phacelia mustelina</i>	weasel phacelia
S	<i>Phacelia parishii</i>	Parish phacelia
S	<i>Phacelia</i> sp.	overlooked phacelia
<u>family: Lamiaceae</u>		
S	<i>Salvia dorrii</i> var. <i>clokeyi</i>	Clokey mountain sage
S	<i>Salvia funerea</i>	Death Valley sage
W	<i>Scutellaria holmgreniorum</i>	Ravendale skullcap

family: Loasaceae

W	<i>Mentzelia candelariae</i>	Candelaria blazing-star
S	<i>Mentzelia leucophylla</i>	Ash Meadows blazingstar
S	<i>Mentzelia mollis</i>	smooth stickleaf
S	<i>Mentzelia packardiae</i>	Packard stickleaf

family: Malvaceae

S	<i>Sphaeralcea caespitosa</i>	Jones globemallow
---	-------------------------------	-------------------

family: Onagraceae

S	<i>Camissonia megalantha</i>	Cane Spring suncup
W	<i>Camissonia nevadensis</i>	Nevada suncup
S	<i>Epilobium nevadense</i>	Nevada willowherb

family: Papaveraceae

S	<i>Arctomecon californica</i>	Las Vegas bearpoppy
S	<i>Arctomecon merriamii</i>	white bearpoppy

family: Polemoniaceae

S	<i>Collomia renacta</i>	Barren Valley collomia
W	<i>Gilia heterostyla</i>	Cochrane gilia
W	<i>Gilia nyensis</i>	Nye gilia
W	<i>Gilia ripleyi</i>	Ripley gilia
S	<i>Ipomopsis congesta</i> var. <i>nevadensis</i>	Toiyabe gilia
S	<i>Leptodactylon glabrum</i>	Bruneau River prickly phlox
S	<i>Polemonium chartaceum</i>	White Mountain skipilot

family: Polygonaceae

S	<i>Eriogonum ampullaceum</i>	Mono buckwheat
S	<i>Eriogonum anemophilum</i>	windloving buckwheat
S	<i>Eriogonum argophyllum</i>	Sulphur Springs buckwheat
S	<i>Eriogonum beatleyae</i>	Beatley buckwheat
S	<i>Eriogonum bifurcatum</i>	Pahrump Valley buckwheat
S	<i>Eriogonum concinnum</i>	Darin buckwheat
W	<i>Eriogonum contiguum</i>	Amargosa buckwheat
W	<i>Eriogonum corymbosum</i> var. <i>glutinosum</i>	golden buckwheat
S	<i>Eriogonum crosbyae</i>	Crosby buckwheat
W	<i>Eriogonum darrovii</i>	Darrow buckwheat
S	<i>Eriogonum esmeraldense</i> var. <i>toiyabense</i>	Toiyabe buckwheat
S	<i>Eriogonum heermannii</i> var. <i>clokeyi</i>	Clokey buckwheat
S	<i>Eriogonum holmgrenii</i>	Holmgren buckwheat
W	<i>Eriogonum lemmonii</i>	Lemmon buckwheat
S	<i>Eriogonum lewisii</i>	Lewis buckwheat
W	<i>Eriogonum ovalifolium</i> var. <i>caelestinum</i>	heavenly buckwheat
S	<i>Eriogonum ovalifolium</i> var. <i>williamsiae</i>	Steamboat buckwheat
S	<i>Eriogonum phoeniceum</i>	scarlet buckwheat
S	<i>Eriogonum prociduum</i>	prostrate buckwheat
S	<i>Eriogonum robustum</i>	altered andesite buckwheat
S	<i>Eriogonum</i> sp.	Churchill Narrows buckwheat
S	<i>Eriogonum tiehmii</i>	Tiehm buckwheat
S	<i>Eriogonum viscidulum</i>	sticky buckwheat
W	<i>Oxytheca watsonii</i>	Watson spinecup

family: Portulacaceae

S *Lewisia maguirei* Maguire bitterroot

family: Primulaceae

S *Primula capillaris* Ruby Mountains primrose

S *Primula cusickiana* var. *nevadensis* Nevada primrose

family: Rosaceae

S *Ivesia aperta* var. *aperta* Sierra Valley ivesia

S *Ivesia arizonica* var. *saxosa* rock purpusia

S *Ivesia cryptocaulis* hidden ivesia

S *Ivesia jaegeri* Jaeger ivesia

S *Ivesia kingii* var. *eremica* Ash Meadows ivesia

S *Ivesia pityocharis* Pine Nut Mountains ivesia

S *Ivesia rhypara* var. *rhypara* grimy ivesia

S *Ivesia webberi* Webber ivesia

S *Potentilla basaltica* Soldier Meadow cinquefoil

S *Potentilla cottamii* Cottam cinquefoil

family: Rubiaceae

S *Galium hilendiae* ssp. *kingstonense* Kingston Mountains bedstraw

family: Scrophulariaceae

W *Castilleja martinii* var. *clokeyi* Clokey paintbrush

S *Castilleja salsuginosa* Monte Neva paintbrush

S *Cordylanthus tecopensis* Tecopa birdsbeak

S *Mimulus ovatus* Steamboat monkeyflower

W *Pedicularis semibarbata* var. *charlestonensis* Charleston pinewood lousewort

S *Penstemon albomarginatus* white-margined beardtongue

S *Penstemon arenarius* Nevada dune beardtongue

S *Penstemon bicolor* ssp. *bicolor* yellow twotone beardtongue

S *Penstemon bicolor* ssp. *roseus* rosy twotone beardtongue

S *Penstemon concinnus* Tunnel Springs beardtongue

S *Penstemon floribundus* Cordelia beardtongue

S *Penstemon fruticiformis* ssp. *amargosae* Death Valley beardtongue

S *Penstemon leiophyllus* var. *francisci-pennellii* Pennell beardtongue

S *Penstemon leiophyllus* var. *keckii* Charleston beardtongue

S *Penstemon moriahensis* Mount Moriah beardtongue

S *Penstemon pahutensis* Pahute Mesa beardtongue

S *Penstemon palmeri* var. *macranthus* Lahontan beardtongue

S *Penstemon patricus* dad's penstemon

S *Penstemon pudicus* bashful beardtongue

S *Penstemon rhizomatosus* rhizome beardtongue

S *Penstemon rubicundus* Wassuk beardtongue

S *Penstemon thompsoniae* ssp. *jaegeri* Jaeger beardtongue

S *Penstemon tiehmii* Tiehm beardtongue

S *Synthyris ranunculina* Charleston kittentails

family: Solanaceae

S *Oryctes nevadensis* oryctes

family: Violaceae

S *Viola lithion* rock violet

S *Viola purpurea* var. *charlestonensis* Charleston violet

Flowering Monocotsfamily: HydrocharitaceaeW *Elodea nevadensis*

Nevada waterweed

family: LiliaceaeS *Calochortus striatus*

alkali mariposa lily

family: OrchidaceaeS *Spiranthes diluvialis*

Ute lady's tresses

S *Spiranthes infernalis*

Ash Meadows lady's tresses

family: PoaceaeS *Poa abbreviata ssp. marshii*

Marsh bluegrass

Lichensfamily: HymeneliaceaeS *Aspicilia fruticulosa*

rim lichen

GENERAL REFERENCES

The following are major references of relatively broad application to Nevada rare plants. They are fully cited only here, and are otherwise given brief citations in the applicable rare plant fact sheets accompanying the maps in this atlas. More narrowly applicable references are not included here, but are instead given full citations on the applicable fact sheets.

- Ackerman, T. 1981. A survey of possible threatened and endangered plant species on the Desert National Wildlife Refuge. U. S. Fish and Wildlife Service. 322 pages.
- Albee, B. J., L. M. Shultz, and S. Goodrich. 1988. Atlas of the vascular plants of Utah. Salt Lake City: Utah Museum Natural History.
- Anderson, S., M. White, and D. Atwood. 1991. Humboldt National Forest sensitive plant field guide. Ogden, Utah: U. S. D. A., Forest Service, Intermountain Region.
- Atwood, D., J. Holland, R. Bolander, B. Franklin, D. E. House, L. Armstrong, K. Thorne, and L. England. 1991. Utah endangered, threatened, and sensitive plant field guide. Ogden, Utah: U. S. Forest Service, Intermountain Region.
- Atwood, D., J. Stoddard, and F. Smith (editors). 1990. Idaho and Wyoming endangered and sensitive plant field guide. Ogden, Utah: U. S. Forest Service, Intermountain Region. 192 pages.
- Barneby, R. C. 1964. Atlas of North American Astragalus, parts I and II (separately bound). Memoirs of the New York Botanical Garden 13: 1-1188.
- Barneby, R. C. 1977. Daleae imagines: an illustrated revision of *Errazurizia* Philippi, *Psorothamnus* Rydberg, *Marina* Liebmann, and *Dalea* Lucanus emend. Barneby, including all species of Leguminosae tribe Amorphaeae Borissova ever referred to *Dalea*. Memoirs of the New York Botanical Garden 27: 1-891.
- Barneby, R. C. 1989. Fabales. Pages 1-279 in: A. Cronquist, A. H. Holmgren, N. H. Holmgren, J. L. Reveal, and P. K. Holmgren. Intermountain flora vol. 3, part B. Bronx: The New York Botanical Garden.
- Beatley, J. C. 1976. Vascular plants of the Nevada Test Site and central-southern Nevada: ecologic and geographic distributions. Nevada Test Site: Energy Research and Development Administration, and Springfield, Virginia: National Technical Information Service, TID-26881. 308 pages.
- Beatley, J. C. 1977. Addenda to endangered and threatened species of the Nevada Test Site, Ash Meadows and central-southern Nevada. Nevada Test Site: Energy Research and Development Administration.
- Beatley, J. C. 1977. Endangered plant species of the Nevada Test Site, Ash Meadows, and central-southern Nevada. Nevada Test Site: U. S. Energy Research and Development Administration, report COO-2307-11.
- Beatley, J. C. 1977. Threatened plant species of the Nevada Test Site, Ash Meadows, and central-southern Nevada. Nevada Test Site: U. S. Energy Research and Development Administration, report COO-2307-12.
- Benson, L. 1982. The cacti of the United States and Canada. Stanford, California: Stanford University Press. 1044 pages.
- Blomquist, K. W., T. A. Lindemann, G. E. Lyon, D. C. Steen, C. A. Wills, S. A. Flick, and W. K. Ostler. 1995. Current distribution, habitat, and status of Category 2 candidate plant species on and near the U. S. Department of Energy's Nevada Test Site. Santa Barbara, California: EG and G/EM Report 11265-1149.
- Clokey, I. W. 1951. Flora of the Charleston Mountains, Clark County, Nevada. University of California Publications in Botany 24: 1-274.
- Cochrane, S. A. 1979. Status of endangered and threatened plant species on Nevada Test Site - a survey, parts 1 and 2. Appendix C: Collection records for the taxa considered. Santa Barbara, California: EG and G/EM Report 183-2356.
- Cronquist, A. 1994. Asterales. Pages 1-496 in: Cronquist, A., A. H. Holmgren, N. H. Holmgren, J. L. Reveal, and P. K. Holmgren. Intermountain flora vol. 5. Bronx: The New York Botanical Garden.

- Cronquist, A., A. H. Holmgren, N. H. Holmgren, and J. L. Reveal. 1972. Intermountain flora vol. 1. New York: Hafner Publishing Company. 270 pages.
- Cronquist, A., A. H. Holmgren, N. H. Holmgren, J. L. Reveal, and P. K. Holmgren. 1977. Intermountain flora vol. 6. The Monocotyledons. New York: Columbia University Press. 583 pages.
- Cronquist, A., A. H. Holmgren, N. H. Holmgren, J. L. Reveal, and P. K. Holmgren. 1984. Intermountain flora vol. 4. Subclass Asteridae (except Asteraceae). Bronx: The New York Botanical Garden. 573 pages.
- Cronquist, A., N. H. Holmgren, and P. K. Holmgren. 1997. Intermountain flora vol. 3, part A. Subclass Rosidae (except Fabales). Bronx: The New York Botanical Garden. 446 pages.
- Eastman, D. 1990. Rare and endangered plants of Oregon. Wilsonville, Oregon: Beautiful America Publishing Company. vi + 194 pages.
- Fertig, W., C. Refsdal, and J. Whipple. 1994. Wyoming rare plant field guide. Cheyenne: Wyoming Rare Plant Technical Committee.
- Flora of North America editorial Committee. 1993. Flora of North America north of Mexico. Vol. 2. Pteridophytes and gymnosperms. New York: Oxford University Press. xvi + 475 pages.
- Flora of North America editorial Committee. 1997. Flora of North America north of Mexico. Vol. 3. Magnoliophyta: Magnoliidae and Hamamelidae. New York: Oxford University Press. xxiii + 590 pages.
- Flora of North America editorial Committee. 2000. Flora of North America north of Mexico. Vol. 22. Magnoliophyta: Alismatidae, Arecidae, Commelinidae (in part), and Zingiberidae. New York: Oxford University Press. xxiii + 352 pages.
- Goodrich, S. 1981. A floristic study of central Nevada. Provo, Utah: Brigham Young University, M. S. thesis. 400 pages.
- Graf, M. 1999. Plants of the Tahoe Basin: flowering plants, trees, and ferns: a photographic guide. Sacramento: California Native Plant Society Press, and Berkeley: University of California Press. viii + 308 pages.
- Hall, C. A., Jr. (editor). 1991. Natural history of the White-Inyo Range, eastern California. Berkeley: University of California Press. 536 pages.
- Hickman, J. C. (editor). 1993. The Jepson manual: Higher plants of California. Berkeley: University of California Press. 1400 pages.
- Hitchcock, C. L., and A. Cronquist. 1973. Flora of the Pacific Northwest: An illustrated manual. Seattle: University of Washington Press. 730 pages.
- Hitchcock, C. L., A. Cronquist, and M. Ownbey. 1959. Ericaceae through Campanulaceae. Pages 1-510 in: Hitchcock, C. L., A. Cronquist, M. Ownbey, and J. W. Thompson. Vascular plants of the Pacific Northwest part 4. Seattle: University of Washington Press.
- Holland, J., W. E. Niles and P. J. Leary. 1979. Vascular plants of the Lake Mead National Recreation Area, Project report #3. Las Vegas: University of Nevada.
- Holland, J. S., W. E. Niles and D. R. Schramm. 1980. A guide to the threatened and endangered vascular plants of the Lake Mead National Recreation Area. Las Vegas: University of Nevada and National Park Service, Technical Report No. 4.
- Isely, D. 1998. Native and naturalized Leguminosae (Fabaceae) of the United States (exclusive of Alaska and Hawaii). Provo, Utah: Brigham Young University, Monte L. Bean Life Science Museum Press. 1007 pages.
- Kartesz, J. T. 1987. A flora of Nevada. Reno: University of Nevada, doctoral dissertation. 1729 pages.
- Kearney, T. H. and R. H. Peebles. 1960. Arizona flora, second edition with supplement by J. T. Howell, E. McClintock, and collaborators. Berkeley: University of California Press. 1085 pages.

- Knight, T. A. 1992. Status report on nine rare plant species endemic to the Spring Mountains, Clark County, Nevada. Carson City: Nevada Natural Heritage Program, prepared for the U. S. Fish and Wildlife Service, Reno. 58 pages.
- Knight, T. A. and F. J. Smith. 1994. An inventory for rare, threatened, endangered and endemic plants and unique communities on Nellis Air Force Bombing and Gunnery Range, Clark, Lincoln, and Nye counties, Nevada. United States Department of Defense, Legacy Resource Management Program. Vol I. Las Vegas: The Nature Conservancy, 68 pages w/appendices.
- Knight, T. A. and F. J. Smith. 1995. An inventory for rare, threatened, endangered and endemic plants and unique communities on Nellis Air Force Bombing and Gunnery Range, Clark, Lincoln, and Nye counties, Nevada. United States Department of Defense, Legacy Resource Management Program. Vol II. Las Vegas: The Nature Conservancy of Nevada, 59 pages w/appendices.
- Knight, T. A. and F. J. Smith. 1996. An inventory for rare, threatened, endangered, and endemic plants and unique communities on Nellis Air Force Bombing and Gunnery Range, Clark, Lincoln, and Nye counties, Nevada. United States Department of Defense, Legacy Resource Management Program. Vol. III. Las Vegas: The Nature Conservancy of Nevada. 59 pages w/appendices.
- Knight, T. A., F. J. Smith, and D. Pritchett. 1997. An inventory for rare, threatened, endangered, and endemic plants and unique communities on Nellis Air Force Bombing and Gunnery Range, Clark, Lincoln, and Nye counties, Nevada. United States Department of Defense, Legacy Resource Management Program. Final volume IV, part A: the inventory. Las Vegas: The Nature Conservancy of Nevada. 180 pages w/appendices.
- Lellinger, D. B. 1985. A field manual of the ferns and fern-allies of the U. S. and Canada. Washington, DC: Smithsonian Institution Press. 389 pages.
- Meinke, R. J. 1982. Threatened and endangered vascular plants of Oregon: an illustrated guide. Portland, Oregon: U. S. Fish and Wildlife Service, Region 1. 326 pages.
- Mozingo, H. N. and M. Williams. 1980. The threatened and endangered plants of Nevada. Portland, Oregon: U. S. Fish and Wildlife Service, and Reno, Nevada: Bureau of Land Management. 268 pages.
- Munz, P. A. 1973. A California flora and supplement. Berkeley: University of California Press. 1681 + 224 pages.
- Nachlinger, J. 1994. Spring Mountains ecosystem: An ecological investigation of sensitive plant taxa with emphasis on the status of eight candidate plants for listing under the Endangered Species Act. Reno: The Nature Conservancy, final Report to the U. S. Fish and Wildlife Service, Reno. 60 p. + two appendices.
- Nevada Natural Heritage Program. 1986-present. Slide collection files. Carson City.
- Nevada Natural Heritage Program. 1998-present. Index to available images (web page). Carson City: Nevada Natural Heritage Program public web site, <http://www.state.nv.us/nvnhp/images.htm>.
- Niles, W. E., J. S. Holland, P. J. Leary, F. H. Landau. 1995. Survey of special status plants in the eastern Mojave Desert. Las Vegas: University of Nevada, assistance agreement with the Bureau of Land Management.
- Niles, W. E., J. S. Holland, P. J. Leary, and F. H. Landau. 1997. Survey of special status plants in the eastern Mojave Desert. Las Vegas: University of Nevada, assistance agreement with the Bureau of Land Management.
- Niles, W. E., P. J. Leary, and J. S. Holland. 1998. Survey of special status plants in the eastern Mojave Desert. Las Vegas: University of Nevada, assistance agreement with the Bureau of Land Management.
- Niles, W. E., P. J. Leary, J. S. Holland, and F. H. Landau. 1996. Survey of special status plants in the eastern Mojave Desert. Las Vegas: University of Nevada, assistance agreement with the Bureau of Land Management.
- Niles, W. E., P. J. Leary, J. S. Holland, and F. H. Landau. 1999. Survey of Special Status Plants in the Eastern Mojave Desert. Las Vegas: University of Nevada, assistance agreement with the Bureau of Land Management.

- Peck, M. E. 1961. A manual of the higher plants of Oregon. Portland, Oregon: Binsford and Mort. 936 pages.
- Reveal, J. L. 1976. *Eriogonum* (Polygonaceae) of Arizona and New Mexico. *Phytologia* 34: 409-484.
- Reveal, J. L. 1985. Annotated key to *Eriogonum* (Polygonaceae) of Nevada. *Great Basin Naturalist* 45: 493-519.
- Reveal, J. L. 1989. Eriogonoid flora of California (Polygonaceae: Eriogonoideae). *Phytologia* 66: 295-414.
- Rhoads, W. A. and M. P. Williams. 1977. Status of endangered and threatened plant species on Nevada Test Site - a survey. Part 1: endangered species. Santa Barbara, California: EG and G/EM Report 1183-2356.
- Rhoads, W. A., S. A. Cochrane and M. Williams. 1979. Addendum to status of endangered and threatened plant species on Nevada Test Site - a survey, parts 1 and 2. Santa Barbara, California: EG and G/EM Report 1183-2356.
- Rhoads, W. A., S. A. Cochrane, and M. P. Williams. 1979. Status of endangered and threatened plant species on the Tonopah Test Range - a survey. Santa Barbara, California: EG and G/EM Report 1183-2387.
- Rollins, R. C. 1941. A monographic study of *Arabis* in western North America. *Rhodora* 43: 289-325, 348-411, 425-481.
- Rollins, R. C. 1993. The Cruciferae of Continental North America: systematics of the mustard family from the Arctic to Panama. Stanford, California: Stanford University Press. 976 pages.
- Sada, D. W. and J. L. Nachlinger. 1996. Spring Mountains Ecosystem: Vulnerability of spring-fed aquatic and riparian systems to biodiversity loss. Reno, Nevada: The Nature Conservancy, prepared for the U. S. Fish and Wildlife Service.
- Skinner, M. W., and B. M. Pavlik (editors). 1994. Inventory of Rare and Endangered Vascular Plants of California. 5th edition. Sacramento: California Native Plant Society. 338 pages.
- Smith, F. J. and M. Curto. 1995. Humboldt National Forest Mountain City and Jarbidge districts sensitive plant survey 1995. Elko, Nevada: U. S. D. A., Humboldt-Toiyabe National Forest.
- Spahr, R., L. Armstrong, D. Atwood, and M. Rath. 1991. Threatened, endangered, and sensitive species of the Intermountain Region. U. S. Forest Service, Intermountain Region, Ogden, UT.
- Stone, R. D. 1998. Endemic and rare plants of Utah: an overview of their distribution and status. Prepared for: Utah Reclamation Mitigation and Conservation Commission, U. S. Department of the Interior, by Utah Division of Wildlife Resources. 566 pages + appendices.
- U. S. Fish and Wildlife Service. 1983. Proposed endangered status for seven plant and one insect species in Ash Meadows, Nevada and California. *Federal Register* 48(199): 46590-46598.
- U. S. Fish and Wildlife Service. 1985. Determination of threatened status with critical habitat for six plants and one insect in Ash Meadows, Nevada and California, and endangered status with critical habitat for one plant in Ash Meadows, Nevada and California. *Federal Register* 50(97): 20777-20794.
- Weixelman, D., and D. Atwood. 1990. Toiyabe National Forest sensitive plants field guide. Ogden, Utah: U. S. Forest Service, Intermountain Region. 123 pages.
- Welsh, S. L. 1979. Illustrated manual of proposed endangered and threatened plants of Utah. Provo, Utah: Brigham Young University. 318 pages.
- Welsh, S. L., N. D. Atwood, S. Goodrich, and L. C. Higgins (editors). 1993. A Utah flora. Provo, Utah: Brigham Young University Press.
- Welsh, S. L., N. D. Atwood, L. C. Higgins and S. Goodrich. 1987. A Utah flora. *Great Basin Naturalist Memoirs* 9: 1-894. Provo, Utah: Brigham Young University Press.

NEVADA RARE PLANT ATLAS

INDEX TO SYNONYMS OF MAPPED TAXA

SYNONYM	NAME ON MAP
<i>Arabis cobrensis</i> (misapplied)	<i>Arabis falcifructa</i>
<i>Arabis fernaldiana</i> var. <i>stylosa</i> (misapplied)	<i>Arabis bodiensis</i>
<i>Arabis platysperma</i> (?)	<i>Arabis rigidissima</i> var. <i>demota</i>
<i>Asclepias uncialis</i> ssp. <i>ruthiae</i> (?)	<i>Asclepias eastwoodiana</i>
<i>Astragalus arrectus</i> var. <i>remotus</i>	<i>Astragalus remotus</i>
<i>Astragalus artipes</i> (misapplied)	<i>Astragalus oophorus</i> var. <i>clokeyanus</i>
<i>Astragalus hemigyris</i>	<i>Astragalus mohavensis</i> var. <i>hemigyris</i>
<i>Astragalus ibapensis</i>	<i>Astragalus diversifolius</i>
<i>Astragalus iodanthus</i> var. <i>pseudiodanthus</i>	<i>Astragalus pseudiodanthus</i>
<i>Astragalus musimonum</i>	<i>Astragalus amphioxys</i> var. <i>musimonum</i>
<i>Astragalus newberryi</i> var. <i>funereus</i>	<i>Astragalus funereus</i>
<i>Astragalus purshii</i> var. <i>funereus</i>	<i>Astragalus funereus</i>
<i>Astragalus tephrodes</i> var. <i>eurylobus</i>	<i>Astragalus eurylobus</i>
<i>Astragalus triquetrus</i>	<i>Astragalus geyeri</i> var. <i>triquetrus</i>
<i>Botrychium lunaria</i> (misapplied)	<i>Botrychium crenulatum</i>
<i>Botrychium lunaria</i> var. <i>onondagense</i> (misapplied)	<i>Botrychium ascendens</i>
<i>Castilleja applegatei</i> ssp. <i>martinii</i> (in part)	<i>Castilleja martinii</i> var. <i>clokeyi</i>
<i>Castilleja clokeyi</i>	<i>Castilleja martinii</i> var. <i>clokeyi</i>
<i>Centaurium namophilum</i> var. <i>namophilum</i>	<i>Centaurium namophilum</i>
<i>Collomia linearis</i> (?)	<i>Collomia renacta</i>
<i>Corynopuntia pulchella</i>	<i>Opuntia pulchella</i>
<i>Cryptantha sobolifera</i> (?)	<i>Cryptantha schoolcraftii</i>
<i>Cryptantha virginensis</i> (?)	<i>Cryptantha insolita</i>
<i>Cylindropuntia multigeniculata</i>	<i>Opuntia whipplei</i> var. <i>multigeniculata</i>
<i>Cymopterus ripleyi</i>	<i>Cymopterus ripleyi</i> var. <i>ripleyi</i>
<i>Cymopterus ripleyi</i>	<i>Cymopterus ripleyi</i> var. <i>saniculoides</i>
<i>Cystium sesquimetrale</i>	<i>Astragalus lentiginosus</i> var. <i>sesquimetralis</i>
<i>Dalea kingii</i>	<i>Psoralea kingii</i>
<i>Draba quadricostata</i>	<i>Cusickiella quadricostata</i>
<i>Draba sphaeroides</i> var. <i>cusickii</i> (in part)	<i>Draba cusickii</i> var. <i>pedicellata</i>
<i>Dudleya arizonica</i>	<i>Dudleya pulverulenta</i>
<i>Dudleya pulverulenta</i> var. <i>arizonica</i>	<i>Dudleya pulverulenta</i>
<i>Echeveria pulverulenta</i>	<i>Dudleya pulverulenta</i>
<i>Elodea bifoliata</i> (?)	<i>Elodea nevadensis</i>
<i>Ericameria eremobia</i>	<i>Chrysothamnus eremobius</i>
<i>Erigeron caespitosus</i> var. <i>anactis</i>	<i>Erigeron ovinus</i>
<i>Erigeron cavernensis</i>	<i>Erigeron uncialis</i> var. <i>uncialis</i>
<i>Eriogonum corymbosum</i> var. <i>aureum</i> (misapplied)	<i>Eriogonum corymbosum</i> var. <i>glutinatum</i>
<i>Eriogonum inflatum</i> var. <i>contiguum</i>	<i>Eriogonum contiguum</i>
<i>Eriogonum lobbii</i> var. <i>robustum</i>	<i>Eriogonum robustum</i>
<i>Forsellesia clokeyi</i>	<i>Glossopetalon clokeyi</i>
<i>Forsellesia pungens</i> var. <i>glabra</i>	<i>Glossopetalon pungens</i> var. <i>glabrum</i>
<i>Forsellesia pungens</i> var. <i>pungens</i>	<i>Glossopetalon pungens</i> var. <i>pungens</i>
<i>Frasera albicaulis</i> var. <i>modocensis</i> (misapplied)	<i>Frasera pahutensis</i>
<i>Frasera albicaulis</i> var. <i>nitida</i> (misapplied)	<i>Frasera pahutensis</i>
<i>Galium multiflorum</i> var. <i>multiflorum</i> (in part)	<i>Galium hilendiae</i> ssp. <i>kingstonense</i>
<i>Gilia nevadensis</i>	<i>Ipomopsis congesta</i> var. <i>nevadensis</i>

- Gilia nyensis* (misapplied)
Grusonia pulchella
Haplopappus alpinus
Haplopappus bloomeri ssp. *compactus*
Haplopappus cervinus
Haplopappus compactus
Haplopappus graniticus
Haplopappus nuttallii var. *depressus*
Haplopappus watsonii
Helianthus anomalus (?)
Horkelia webberi
Hulsea vestita var. *callicarpa* (?)
Ivesia eremica
Laphamia megacephala ssp. *intricata*
Lecanora fruticulosa
Lepidium montanum ssp. *davisii*
Leptotaenia leibergii
Lomatium graveolens var. *clarkii*
Mentzelia oreophila (?)
Mentzelia oreophila var. (?)
Micropuntia gracilicylindrica
Miltitzia glaberrima
Miltitzia parviflora
Miltitzia scopulina (in part)
Mimulus bigelovii var. *ovatus*
Mimulus cusickii (misapplied)
Oenothera heterochroma var. *megalantha*
Oenothera megalantha
Oenothera nevadensis
Opuntia abyssii (?)
Opuntia multigeniculata
Opuntia X *multigeniculata*
Parosela kingii
Pedicularis semibarbata (?)
Penstemon bicolor (?)
Penstemon bicolor (?)
Penstemon francisci-pennellii
Penstemon keckii
Penstemon leonardii var. *patricus*
Penstemon macranthus
Penstemon maguirei
Penstemon palmeri var. *bicolor*
Penstemon pseudospectabilis ssp. *bicolor*
Perityle megalcephala var. *intricata*
Perityle megalcephala var. *oligophylla* (?)
Phacelia foliosepala
Phacelia lutea var. *scopulina* (in part)
Phacelia parishii (misapplied)
Pinus ponderosa var. *ponderosa* (?)
Polemonium viscosum ssp. *chartaceum*
Polycytenium fremontii var. *confertum*
Gilia heterostyla
Opuntia pulchella
Tonestus alpinus
Ericameria compacta
Ericameria cervina
Ericameria compacta
Tonestus graniticus
Machaeranthera grindelioides var. *depressa*
Ericameria watsonii
Helianthus deserticola
Ivesia webberi
Hulsea vestita ssp. *inyoensis*
Ivesia kingii var. *eremica*
Perityle intricata
Aspicilia fruticulosa
Lepidium davisii
Lomatium roseanum
Lomatium graveolens var. *alpinum*
Mentzelia candelariae
Mentzelia leucophylla
Opuntia pulchella
Phacelia glaberrima
Phacelia inundata
Phacelia monoensis
Mimulus ovatus
Mimulus ovatus
Camissonia megalantha
Camissonia megalantha
Camissonia nevadensis
Opuntia whipplei var. *multigeniculata*
Opuntia whipplei var. *multigeniculata*
Opuntia whipplei var. *multigeniculata*
Psorothamnus kingii
Pedicularis semibarbata var. *charlestonensis*
Penstemon bicolor ssp. *bicolor*
Penstemon bicolor ssp. *roseus*
Penstemon leiophyllus var. *francisci-pennellii*
Penstemon leiophyllus var. *keckii*
Penstemon patricus
Penstemon palmeri var. *macranthus*
Penstemon arenarius
Penstemon bicolor ssp. *bicolor*
Penstemon bicolor ssp. *bicolor*
Perityle intricata
Perityle intricata
Phacelia minutissima
Phacelia monoensis
Phacelia sp.
Pinus washoensis
Polemonium chartaceum
Polycytenium williamsiae

Potentilla aperta
Potentilla cryptocaulis
Potentilla jaegeri
Potentilla osterhoutii var. *saxosa*
Potentilla webberi
Primula nevadensis
Psoralea castorea
Psorodendron kingii
Purpusia saxosa
Salvia carnosa ssp. *argentea* (in part)
Sclerocactus blainei (?)
Sclerocactus spinosior ssp. *blainei*
Sclerocactus spinosior ssp. *blainei* (?)
Sclerocactus spinosior var. *schlesseri*
Scutellaria nana (?)
Sphaerostigma tortuosa
Spiranthes romanzoffiana (misapplied)
Spiranthes romanzoffiana var. *porrifolia* (misapplied)
Swertia gypsicola
Swertia pahutensis
Tanacetum compactum
Trifolium kingii ssp. *rollinsii*
Trifolium macilentum var. *rollinsii*
Viola charlestonensis
Weissia sweetii

Ivesia aperta var. *aperta*
Ivesia cryptocaulis
Ivesia jaegeri
Ivesia arizonica var. *saxosa*
Ivesia webberi
Primula cusickiana var. *nevadensis*
Pediomelum castoreum
Psorothamnus kingii
Ivesia arizonica var. *saxosa*
Salvia dorrii var. *clokeyi*
Sclerocactus schlesseri
Sclerocactus blainei
Sclerocactus schlesseri
Sclerocactus schlesseri
Scutellaria holmgreniorum
Camissonia nevadensis
Spiranthes diluvialis
Spiranthes infernalis
Frasera gypsicola
Frasera pahutensis
Sphaeromeria compacta
Trifolium rollinsii
Trifolium rollinsii
Viola purpurea var. *charlestonensis*
Trichostomum sweetii

INDEX TO COMMON NAMES OF MAPPED TAXA

COMMON NAME	SCIENTIFIC NAME
Ackerman milkvetch	<i>Astragalus ackermanii</i>
adobe parsley	<i>Lomatium roseanum</i>
alkali mariposa lily	<i>Calochortus striatus</i>
alpine tonestus	<i>Tonestus alpinus</i>
altered andesite buckwheat	<i>Eriogonum robustum</i>
altered andesite popcornflower	<i>Plagiobothrys glomeratus</i>
Amargosa buckwheat	<i>Eriogonum contiguum</i>
Amargosa niterwort	<i>Nitrophila mohavensis</i>
American grimmia	<i>Grimmia americana</i>
Antelope Canyon goldenbush	<i>Ericameria cervina</i>
Ash Meadows blazingstar	<i>Mentzelia leucophylla</i>
Ash Meadows gumplant	<i>Grindelia fraxinopratisensis</i>
Ash Meadows ivesia	<i>Ivesia kingii</i> var. <i>eremica</i>
Ash Meadows lady's tresses	<i>Spiranthes infernalis</i>
Ash Meadows milkvetch	<i>Astragalus phoenix</i>
Ash Meadows sunray	<i>Enceliopsis nudicaulis</i> var. <i>corrugata</i>
Aven Nelson phacelia	<i>Phacelia anelsonii</i>
Barneby stemflower	<i>Caulanthus barnebyi</i>
Barren Valley collomia	<i>Collomia renacta</i>
bashful beardtongue	<i>Penstemon pudicus</i>
Beatley buckwheat	<i>Eriogonum beatleyae</i>
Beatley milkvetch	<i>Astragalus beatleyae</i>
Beatley scorpion plant	<i>Phacelia beatleyae</i>
Beaver Dam breadroot	<i>Pediomelum castoreum</i>
black woollypod	<i>Astragalus funereus</i>
Blaine pincushion	<i>Sclerocactus blainei</i>
Blue Diamond cholla	<i>Opuntia whipplei</i> var. <i>multigeniculata</i>
Bodie Hills draba	<i>Cusickiella quadricostata</i>
Bodie Hills rockcress	<i>Arabis bodiensis</i>
broad fleabane	<i>Erigeron latus</i>
broad-pod freckled milkvetch	<i>Astragalus lentiginosus</i> var. <i>latus</i>
Bruneau River prickly phlox	<i>Leptodactylon glabrum</i>
Bullfrog Hills sweetpea	<i>Lathyrus hitchcockianus</i>
California draba	<i>Draba californica</i>
Callaway milkvetch	<i>Astragalus callithrix</i>
Candelaria blazing-star	<i>Mentzelia candelariae</i>
Cane Spring suncup	<i>Camissonia megalantha</i>
chalk liveforever	<i>Dudleya pulverulenta</i>
Charleston beardtongue	<i>Penstemon leiophyllus</i> var. <i>keckii</i>
Charleston draba	<i>Draba paucifruca</i>
Charleston goldenbush	<i>Ericameria compacta</i>
Charleston grounddaisy	<i>Townsendia jonesii</i> var. <i>tumulosa</i>
Charleston kittentails	<i>Synthyris ranunculina</i>
Charleston pinewood lousewort	<i>Pedicularis semibarbata</i> var. <i>charlestonensis</i>
Charleston pussytoes	<i>Antennaria soliceps</i>
Charleston tansy	<i>Sphaeromeria compacta</i>
Charleston violet	<i>Viola purpurea</i> var. <i>charlestonensis</i>

Churchill Narrows buckwheat
 Cima milkvetch
 Clark parsley
 Clokey buckwheat
 Clokey catchfly
 Clokey eggvetch
 Clokey greasebush
 Clokey milkvetch
 Clokey mountain sage
 Clokey paintbrush
 Clokey thistle
 Cochrane gilia
 Cordelia beardtongue
 Cottam cinquefoil
 Crosby buckwheat
 Currant milkvetch
 Currant Summit clover
 Cusick stickseed
 dad's penstemon
 dainty moonwort
 Darin buckwheat
 Darrow buckwheat
 Davis peppergrass
 Death Valley beardtongue
 Death Valley sage
 delicate rockdaisy
 desert sunflower
 desert whitlowgrass
 Eastwood milkweed
 Elko rockcress
 Galena Creek rockcress
 Gilman milkvetch
 Gold Butte moss
 golden buckwheat
 Goodrich biscuitroot
 Goodrich bladderpod
 Goose Creek milkvetch
 gray wavewing
 Grimes vetchling
 grimy ivesia
 Grouse Creek rockcress
 halfring milkvetch
 heavenly buckwheat
 hermit cactus
 hidden ivesia
 Hitchcock bladderpod
 Holmgren buckwheat
 Holmgren smelowskia
 inch high fleabane
 intermountain wavewing
 Inyo hulsea

Eriogonum sp.
Astragalus cimae var. *cimae*
Lomatium graveolens var. *alpinum*
Eriogonum heermannii var. *clokeyi*
Silene clokeyi
Astragalus oophorus var. *clokeyanus*
Glossopetalon clokeyi
Astragalus aequalis
Salvia dorrii var. *clokeyi*
Castilleja martinii var. *clokeyi*
Cirsium clokeyi
Gilia heterostyla
Penstemon floribundus
Potentilla cottamii
Eriogonum crosbyae
Astragalus uncialis
Trifolium andinum var. *podocephalum*
Hackelia cusickii
Penstemon patricus
Botrychium crenulatum
Eriogonum concinnum
Eriogonum darrovii
Lepidium davisii
Penstemon fruticiformis ssp. *amargosae*
Salvia funerea
Perityle intricata
Helianthus deserticola
Draba arida
Asclepias eastwoodiana
Arabis falcifruca
Arabis rigidissima var. *demota*
Astragalus gilmanii
Didymodon nevadensis
Eriogonum corymbosum var. *glutinosum*
Cymopterus goodrichii
Lesquerella goodrichii
Astragalus anserinus
Cymopterus cinerarius
Lathyrus grimesii
Ivesia rhypara var. *rhypara*
Arabis falcatoria
Astragalus mohavensis var. *hemigyris*
Eriogonum ovalifolium var. *caelestinum*
Sclerocactus polyancistrus
Ivesia cryptocaulis
Lesquerella hitchcockii
Eriogonum holmgrenii
Smelowskia holmgrenii
Erigeron uncialis var. *conjugans*
Cymopterus basalticus
Hulsea vestita ssp. *inyoensis*

Jaeger beardtongue	<i>Penstemon thompsoniae</i> ssp. <i>jaegeri</i>
Jaeger ivesia	<i>Ivesia jaegeri</i>
Jaeger whitlowgrass	<i>Draba jaegeri</i>
Jones globemallow	<i>Sphaeralcea caespitosa</i>
Kingston Mountains bedstraw	<i>Galium hilendiae</i> ssp. <i>kingstonense</i>
Lahontan beardtongue	<i>Penstemon palmeri</i> var. <i>macranthus</i>
Lahontan indigobush	<i>Psoralea kingii</i>
Lahontan milkvetch	<i>Astragalus porrectus</i>
Lamoille Canyon milkvetch	<i>Astragalus robbinsii</i> var. <i>occidentalis</i>
Las Vegas bearpoppy	<i>Arctomecon californica</i>
Lavin eggvetch	<i>Astragalus oophorus</i> var. <i>lavinii</i>
least phacelia	<i>Phacelia minutissima</i>
Leiberg clover	<i>Trifolium leibergii</i>
Lemmon buckwheat	<i>Eriogonum lemmonii</i>
Lewis buckwheat	<i>Eriogonum lewisii</i>
limestone daisy	<i>Erigeron uncialis</i> var. <i>uncialis</i>
Lone Mountain tonestus	<i>Tonestus graniticus</i>
lonesome milkvetch	<i>Astragalus solitarius</i>
Long Valley milkvetch	<i>Astragalus johannis-howellii</i>
long-calyx eggvetch	<i>Astragalus oophorus</i> var. <i>lonchocalyx</i>
Maguire bitterroot	<i>Lewisia maguirei</i>
Margaret rushy milkvetch	<i>Astragalus convallarius</i> var. <i>margaretiae</i>
Marsh bluegrass	<i>Poa abbreviata</i> ssp. <i>marshii</i>
Masonic Mountain jewelflower	<i>Streptanthus oliganthus</i>
meadow milkvetch	<i>Astragalus diversifolius</i>
meadow pussytoes	<i>Antennaria arcuata</i>
Meadow Valley sandwort	<i>Arenaria stenomeres</i>
Mojave milkvetch	<i>Astragalus mohavensis</i> var. <i>mohavensis</i>
Mokiak milkvetch	<i>Astragalus mokiacensis</i>
Mono buckwheat	<i>Eriogonum ampullaceum</i>
Mono County phacelia	<i>Phacelia monoensis</i>
Monte Neva paintbrush	<i>Castilleja salsuginosa</i>
Mount Moriah beardtongue	<i>Penstemon moriahensis</i>
Nachlinger catchfly	<i>Silene nachlingerae</i>
Needle Mountains milkvetch	<i>Astragalus eurylobus</i>
Nevada dune beardtongue	<i>Penstemon arenarius</i>
Nevada primrose	<i>Primula cusickiana</i> var. <i>nevadensis</i>
Nevada suncup	<i>Camissonia nevadensis</i>
Nevada waterweed	<i>Elodea nevadensis</i>
Nevada willowherb	<i>Epilobium nevadense</i>
New York Mountains catseye	<i>Cryptantha tumulosa</i>
Nye gilia	<i>Gilia nyensis</i>
Nye milkvetch	<i>Astragalus nyensis</i>
obscure scorpion plant	<i>Phacelia inconspicua</i>
one-leaflet Torrey milkvetch	<i>Astragalus calycosus</i> var. <i>monophyllidius</i>
Ophir rockcress	<i>Arabis ophira</i>
oryctes	<i>Oryctes nevadensis</i>
Osgood Mountains milkvetch	<i>Astragalus yoder-williamsii</i>
overlooked phacelia	<i>Phacelia</i> sp.
Owyhee sagebrush	<i>Artemisia papposa</i>
Packard mugwort	<i>Artemisia packardiae</i>

Packard stickleaf	<i>Mentzelia packardiae</i>
Pahrump Valley buckwheat	<i>Eriogonum bifurcatum</i>
Pahute green gentian	<i>Frasera pahutensis</i>
Pahute Mesa beardtongue	<i>Penstemon pahutensis</i>
Parish phacelia	<i>Phacelia parishii</i>
Pennell beardtongue	<i>Penstemon leiophyllus</i> var. <i>francisci-pennellii</i>
Pennell draba	<i>Draba pennellii</i>
Pine Nut Mountains ivesia	<i>Ivesia pityocharis</i>
Pine Valley milkvetch	<i>Astragalus convallarius</i> var. <i>finitimus</i>
Pinzl rockcress	<i>Arabis pinzliae</i>
planoconvex entosthodon	<i>Entosthodon planoconvexus</i>
playa phacelia	<i>Phacelia inundata</i>
prostrate buckwheat	<i>Eriogonum prociduum</i>
Pueblo Valley peppergrass	<i>Lepidium montanum</i> var. <i>nevadense</i>
Pulsifer milkvetch	<i>Astragalus pulsiferae</i> var. <i>pulsiferae</i>
pygmy poreleaf	<i>Porophyllum pygmaeum</i>
rattlesnake stickseed	<i>Hackelia ophiobia</i>
Ravendale skullcap	<i>Scutellaria holmgreniorum</i>
rayless tansy aster	<i>Machaeranthera grindelioides</i> var. <i>depressa</i>
Red Rock Canyon aster	<i>Ionactis caelestis</i>
Reese River phacelia	<i>Phacelia glaberrima</i>
remote rabbitbrush	<i>Chrysothamnus eremobius</i>
rhizome beardtongue	<i>Penstemon rhizomatosus</i>
rim lichen	<i>Aspicilia fruticulosa</i>
Ripley biscuitroot	<i>Cymopterus ripleyi</i> var. <i>ripleyi</i>
Ripley gilia	<i>Gilia ripleyi</i>
rock purpusia	<i>Ivesia arizonica</i> var. <i>saxosa</i>
rock violet	<i>Viola lithion</i>
Rollins clover	<i>Trifolium rollinsii</i>
rosy King sandwort	<i>Arenaria kingii</i> ssp. <i>rosea</i>
rosy twotone beardtongue	<i>Penstemon bicolor</i> ssp. <i>roseus</i>
rough angelica	<i>Angelica scabrida</i>
rough dwarf greasebush	<i>Glossopetalon pungens</i> var. <i>pungens</i>
Ruby Mountains primrose	<i>Primula capillaris</i>
sand cholla	<i>Opuntia pulchella</i>
sanicle biscuitroot	<i>Cymopterus ripleyi</i> var. <i>saniculoides</i>
scarlet buckwheat	<i>Eriogonum phoeniceum</i>
Schlesser pincushion	<i>Sclerocactus schlesseri</i>
Schoolcraft catseye	<i>Cryptantha schoolcraftii</i>
seriate crossidium	<i>Crossidium seriatum</i>
sheep fleabane	<i>Erigeron ovinus</i>
Sheep Mountain milkvetch	<i>Astragalus amphioxys</i> var. <i>musimonum</i>
Shockley rockcress	<i>Arabis shockleyi</i>
Sierra Valley ivesia	<i>Ivesia aperta</i> var. <i>aperta</i>
silverleaf sunray	<i>Enceliopsis argophylla</i>
smooth dwarf greasebush	<i>Glossopetalon pungens</i> var. <i>glabrum</i>
smooth stickleaf	<i>Mentzelia mollis</i>
Snake Range whitlowgrass	<i>Draba oreibata</i> var. <i>serpentina</i>
Sodaville milkvetch	<i>Astragalus lentiginosus</i> var. <i>sesquimetralis</i>
Soldier Meadow cinquefoil	<i>Potentilla basaltica</i>
Spring Mountains milkvetch	<i>Astragalus remotus</i>

spring-loving centaury
 squalid milkvetch
 stalked Cusick whitlowgrass
 Steamboat buckwheat
 Steamboat monkeyflower
 sticky buckwheat
 Succor Creek parsley
 Suksdorf milkvetch
 Sulphur Springs buckwheat
 Sunnyside green gentian
 Sweet trichostomum
 Tahoe draba
 Tahoe yellowcress
 Tecopa birdsbeak
 threecorner milkvetch
 Tiehm beardtongue
 Tiehm buckwheat
 Tiehm milkvetch
 Tiehm rockcress
 Tiehm stroganowia
 Toiyabe buckwheat
 Toiyabe gilia
 Tonopah fishhook cactus
 Tonopah milkvetch
 Toquima milkvetch
 Tunnel Springs beardtongue
 unusual catseye
 upswept moonwort
 Utah spikemoss
 Ute lady's tresses
 Virgin River thistle
 Wasatch draba
 Washoe pine
 Washoe tall rockcress
 Wassuk beardtongue
 Watson goldenbush
 Watson spinecup
 waxflower
 weasel phacelia
 Webber ivesia
 white bearpoppy
 White Mountain skypilot
 White Mountains cushion draba
 White River catseye
 white-margined beardtongue
 Williams combleaf
 windloving buckwheat
 winged milkvetch
 yellow twotone beardtongue

Centaureum namophilum
Astragalus serenoii var. *sordescens*
Draba cusickii var. *pedicellata*
Eriogonum ovalifolium var. *williamsiae*
Mimulus ovatus
Eriogonum viscidulum
Lomatium packardiae
Astragalus pulsiferae var. *suksdorfii*
Eriogonum argophyllum
Frasera gypsicola
Trichostomum sweetii
Draba asterophora var. *asterophora*
Rorippa subumbellata
Cordylanthus tecopensis
Astragalus geyeri var. *triquetrus*
Penstemon tiehmii
Eriogonum tiehmii
Astragalus tiehmii
Arabis tiehmii
Stroganowia tiehmii
Eriogonum esmeraldense var. *toiyabense*
Ipomopsis congesta var. *nevadensis*
Sclerocactus nyensis
Astragalus pseudiodanthus
Astragalus toquimanus
Penstemon concinnus
Cryptantha insolita
Botrychium ascendens
Selaginella utahensis
Spiranthes diluvialis
Cirsium virginense
Draba brachystylis
Pinus washoensis
Arabis rectissima var. *simulans*
Penstemon rubicundus
Ericameria watsonii
Oxytheca watsonii
Jamesia tetrapetala
Phacelia mustelina
Ivesia webberi
Arctomecon merriamii
Polemonium chartaceum
Draba subumbellata
Cryptantha welshii
Penstemon albomarginatus
Polyctenium williamsiae
Eriogonum anemophilum
Astragalus pterocarpus
Penstemon bicolor ssp. *bicolor*