



## Inventory of Rare and Endangered Plants

v7-07d 10-18-07

Status: search results - Tue, Jan. 15, 2008 13:26 c

{QUADS\_123} = ~ m/523A|538C|538D|522B|522C|523B|523C

**Tip:** Lathyrus Astragalus returns species from both genera. [\[all tips and help.\]](#) [\[search history\]](#)

**Your Quad Selection:** Emerald Bay (523A) 3812081, Homewood (538C) 3912012, Meeks Bay (538D) 3912011, South Lake Tahoe (522B) 3811988, Freel Peak (522C) 3811978, Rockbound Valley (523B) 3812082, Pyramid Peak (523C) 3812072, Echo Lake (523D) 3812071












Hits 1 to 23 of 23

Requests that specify topo quads will return only Lists 1-3.

To save selected records for later study, click the ADD button.

Selections will appear in a new window.

open	save	hits	scientific	common	family	CNPS
	<input type="checkbox"/>	1	<u><a href="#">Botrychium ascendens</a></u> 	upswept moonwort	Ophioglossaceae	List 2.3
	<input type="checkbox"/>	1	<u><a href="#">Botrychium crenulatum</a></u> 	scalloped moonwort	Ophioglossaceae	List 2.2
	<input type="checkbox"/>	1	<u><a href="#">Botrychium montanum</a></u>	western goblin	Ophioglossaceae	List 2.1
	<input type="checkbox"/>	1	<u><a href="#">Carex limosa</a></u>	shore sedge	Cyperaceae	List 2.2
	<input type="checkbox"/>	1	<u><a href="#">Chaenactis douglasii</a></u> var. <u><a href="#">alpina</a></u>	alpine dusty maidens	Asteraceae	List 2.3
	<input type="checkbox"/>	1	<u><a href="#">Claytonia megarhiza</a></u>	fell-fields claytonia	Portulacaceae	List 2.3
	<input type="checkbox"/>	1	<u><a href="#">Cryptantha crymophila</a></u>	subalpine cryptantha	Boraginaceae	List 1B.3
	<input type="checkbox"/>	1	<u><a href="#">Draba asterophora</a></u> var. <u><a href="#">asterophora</a></u>	Tahoe draba	Brassicaceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Draba asterophora</a></u> var. <u><a href="#">macrocarpa</a></u>	Cup Lake draba	Brassicaceae	List 1B.1
	<input type="checkbox"/>	1	<u><a href="#">Epilobium howellii</a></u>	subalpine fireweed	Onagraceae	List 1B.3
	<input type="checkbox"/>	1	<u><a href="#">Epilobium oregonum</a></u>	Oregon fireweed	Onagraceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Epilobium palustre</a></u>	marsh willowherb	Onagraceae	List 2.3
	<input type="checkbox"/>	1	<u><a href="#">Hulsea brevifolia</a></u>	short-leaved hulsea	Asteraceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Lewisia longipetala</a></u>	long-petaled lewisia	Portulacaceae	List 1B.3
	<input type="checkbox"/>	1	<u><a href="#">Meesia uliginosa</a></u>	broad-nerved hump-moss	Meesiaceae	List 2.2
	<input type="checkbox"/>	1	<u><a href="#">Phacelia stebbinsii</a></u>	Stebbins' phacelia	Hydrophyllaceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Polystichum lonchitis</a></u>	holly fern	Dryopteridaceae	List 3

	<input type="checkbox"/>	1	<b><u>Potamogeton epihydrus</u></b> <b>ssp. <u>nuttalii</u></b> 	Nuttall's pondweed	Potamogetonaceae	List 2.2
	<input type="checkbox"/>	1	<b><u>Potamogeton filiformis</u></b>	slender-leaved pondweed	Potamogetonaceae	List 2.2
	<input type="checkbox"/>	1	<b><u>Rorippa subumbellata</u></b> 	Tahoe yellow cress	Brassicaceae	List 1B.1
	<input type="checkbox"/>	1	<b><u>Scirpus subterminalis</u></b> 	water bulrush	Cyperaceae	List 2.3
	<input type="checkbox"/>	1	<b><u>Scutellaria galericulata</u></b> 	marsh skullcap	Lamiaceae	List 2.2
	<input type="checkbox"/>	1	<b><u>Utricularia ochroleuca</u></b> 	cream-flowered bladderwort	Lentibulariaceae	List 2.2

To save selected records for later study, click the ADD button.

ADD checked items to Plant Press

check all

check none

Selections will appear in a new window.

No more hits.



# Inventory of Rare and Endangered Plants

v7-07d 10-18-07

**Status:** search results - Tue, Jan. 15, 2008 13:27 c **Tip:** Want to search by habitat? Try the [Checkbox and Preset](#) search page. [[all tips and help.](#)] [[search history](#)]**Your Quad Selection:** **Echo Lake (523D) 3812071**, Caples Lake (507A) 3812061, Tragedy Spring (507B) 3812062, South Lake Tahoe (522B) 3811988, Freel Peak (522C) 3811978, Carson Pass (506B) 3811968, Emerald Bay (523A) 3812081, Rockbound Valley (523B) 3812082, Pyramid Peak (523C) 3812072**Hits 1 to 22 of 22****Requests that specify topo quads will return only Lists 1-3.**

To save selected records for later study, click the ADD button.

Selections will appear in a new window.

open	save	hits	scientific	common	family	CNPS
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Botrychium ascendens</u></b> thumbnail image in record	upswept moonwort	Ophioglossaceae	List 2.3
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Carex limosa</u></b> thumbnail image in record	shore sedge	Cyperaceae	List 2.2
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Carex scirpoidea ssp. pseudoscirpoidea</u></b> thumbnail image in record	single-spiked sedge	Cyperaceae	List 2.2
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Chaenactis douglasii var. alpina</u></b> thumbnail image in record	alpine dusty maidens	Asteraceae	List 2.3
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Claytonia megarhiza</u></b> thumbnail image in record	fell-fields claytonia	Portulacaceae	List 2.3
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Cryptantha crymophila</u></b>	subalpine cryptantha	Boraginaceae	List 1B.3
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Draba asterophora var. asterophora</u></b> thumbnail image in record	Tahoe draba	Brassicaceae	List 1B.2
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Draba asterophora var. macrocarpa</u></b> thumbnail image in record	Cup Lake draba	Brassicaceae	List 1B.1
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Epilobium howellii</u></b> thumbnail image in record	subalpine fireweed	Onagraceae	List 1B.3
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Epilobium oreganum</u></b> thumbnail image in record	Oregon fireweed	Onagraceae	List 1B.2
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Epilobium palustre</u></b> thumbnail image in record	marsh willowherb	Onagraceae	List 2.3
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Hulsea brevifolia</u></b> thumbnail image in record	short-leaved hulsea	Asteraceae	List 1B.2
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Lewisia longipetala</u></b> thumbnail image in record	long-petaled lewisia	Portulacaceae	List 1B.3

<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Meesia uliginosa</u></b> thumbnail image in record	broad-nerved hump-moss	Meesiaceae	List 2.2
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Phacelia stebbinsii</u></b> thumbnail image in record	Stebbins' phacelia	Hydrophyllaceae	List 1B.2
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Polystichum lonchitis</u></b> thumbnail image in record	holly fern	Dryopteridaceae	List 3
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Potamogeton epihydrus ssp. nuttallii</u></b> thumbnail image in record	Nuttall's pondweed	Potamogetonaceae	List 2.2
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Potamogeton filiformis</u></b>	slender-leaved pondweed	Potamogetonaceae	List 2.2
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Rorippa subumbellata</u></b> thumbnail image in record	Tahoe yellow cress	Brassicaceae	List 1B.1
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Scirpus subterminalis</u></b> thumbnail image in record	water bulrush	Cyperaceae	List 2.3
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Scutellaria galericulata</u></b> thumbnail image in record	marsh skullcap	Lamiaceae	List 2.2
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Utricularia ochroleuca</u></b> thumbnail image in record	cream-flowered bladderwort	Lentibulariaceae	List 2.2

To save selected records for later study, click the ADD button.

Selections will appear in a new window.

No more hits.

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[Web Oriented Database Home](#)

# Inventory of Rare and Endangered Plants

v7-07d 10-18-07

**Status:** search results - Tue, Jan. 15, 2008 13:27 c **Tip:** +Lathyrus +"coastal dunes" returns only those Lathyrus in coastal dunes. Note the "+" and quotes. [[all tips and help.](#)] [[search history](#)]**Your Quad Selection:** **Freel Peak (522C) 3811978**, Markleeville (506A) 3811967, Carson Pass (506B) 3811968, Echo Lake (523D) 3812071, Emerald Bay (523A) 3812081, Caples Lake (507A) 3812061, Woodfords (522D) 3811977, Minden (522A) 3811987, South Lake Tahoe (522B) 3811988**Hits 1 to 19 of 19****Requests that specify topo quads will return only Lists 1-3.**

To save selected records for later study, click the ADD button.

Selections will appear in a new window.

open	save	hits	scientific	common	family	CNPS
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Botrychium ascendens</u></b> thumbnail image in record	upswept moonwort	Ophioglossaceae	List 2.3
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Carex limosa</u></b> thumbnail image in record	shore sedge	Cyperaceae	List 2.2
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Carex scirpoidea ssp. pseudoscirpoidea</u></b> thumbnail image in record	single-spiked sedge	Cyperaceae	List 2.2
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Chaenactis douglasii var. alpina</u></b> thumbnail image in record	alpine dusty maidens	Asteraceae	List 2.3
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Cryptantha crymophila</u></b>	subalpine cryptantha	Boraginaceae	List 1B.3
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Draba asterophora var. asterophora</u></b> thumbnail image in record	Tahoe draba	Brassicaceae	List 1B.2
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Draba asterophora var. macrocarpa</u></b> thumbnail image in record	Cup Lake draba	Brassicaceae	List 1B.1
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Epilobium howellii</u></b> thumbnail image in record	subalpine fireweed	Onagraceae	List 1B.3
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Epilobium oreganum</u></b> thumbnail image in record	Oregon fireweed	Onagraceae	List 1B.2
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Epilobium palustre</u></b> thumbnail image in record	marsh willowherb	Onagraceae	List 2.3
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Hulsea brevifolia</u></b> thumbnail image in record	short-leaved hulsea	Asteraceae	List 1B.2
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Lewisia longipetala</u></b> thumbnail image in record	long-petaled lewisia	Portulacaceae	List 1B.3
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Meesia uliginosa</u></b> thumbnail image in record	broad-nerved hump-moss	Meesiaceae	List 2.2
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Polystichum lonchitis</u></b> thumbnail image in record	holly fern	Dryopteridaceae	List 3

<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Potamogeton filiformis</u></b>		slender-leaved pondweed	Potamogetonaceae	List 2.2
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Rorippa subumbellata</u></b> thumbnail image in record		Tahoe yellow cress	Brassicaceae	List 1B.1
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Scirpus subterminalis</u></b> thumbnail image in record		water bulrush	Cyperaceae	List 2.3
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Scutellaria galericulata</u></b> thumbnail image in record		marsh skullcap	Lamiaceae	List 2.2
<a href="#">open</a>	<input type="checkbox"/>	1	<b><u>Utricularia ochroleuca</u></b> thumbnail image in record		cream-flowered bladderwort	Lentibulariaceae	List 2.2

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No more hits.

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and [Comments](#) [HOME](#) [LOGIN \(you are guest anonymous\)](#)

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[Home](#)



## Inventory of Rare and Endangered Plants

v7-07d 10-18-07

Status: search results - Tue, Jan. 15, 2008 13:26 c

{QUADS\_123} =~ m/522B|523A|523D|538D|522A|522C|5 Search

**Tip:** CNPS\_LIST: "List 3" (note the field name) returns only taxa on List 3. "List 3" by itself, matches the phrase wherever found. Browse the list of **field names**.[\[all tips and help.\]](#)[\[search history\]](#)

**Your Quad Selection:** South Lake Tahoe (522B) 3811988, Emerald Bay (523A) 3812081, Echo Lake (523D) 3812071, Meeks Bay (538D) 3912011, Minden (522A) 3811987, Freel Peak (522C) 3811978, Woodfords (522D) 3811977

Hits 1 to 18 of 18

Requests that specify topo quads will return only Lists 1-3.

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ADD checked items to Plant Press

check all

check none

Selections will appear in a new window.

open	save	hits	scientific	common	family	CNPS
	<input type="checkbox"/>	1	<u><a href="#">Botrychium ascendens</a></u> 	upswept moonwort	Ophioglossaceae	List 2.3
	<input type="checkbox"/>	1	<u><a href="#">Carex limosa</a></u>	shore sedge	Cyperaceae	List 2.2
	<input type="checkbox"/>	1	<u><a href="#">Chaenactis douglasii</a></u> var. <u><a href="#">alpina</a></u>	alpine dusty maidens	Asteraceae	List 2.3
	<input type="checkbox"/>	1	<u><a href="#">Cryptantha crymophila</a></u>	subalpine cryptantha	Boraginaceae	List 1B.3
	<input type="checkbox"/>	1	<u><a href="#">Draba asterophora</a></u> var. <u><a href="#">asterophora</a></u>	Tahoe draba	Brassicaceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Draba asterophora</a></u> var. <u><a href="#">macrocarpa</a></u>	Cup Lake draba	Brassicaceae	List 1B.1
	<input type="checkbox"/>	1	<u><a href="#">Epilobium howellii</a></u>	subalpine fireweed	Onagraceae	List 1B.3
	<input type="checkbox"/>	1	<u><a href="#">Epilobium oregonum</a></u>	Oregon fireweed	Onagraceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Epilobium palustre</a></u>	marsh willowherb	Onagraceae	List 2.3
	<input type="checkbox"/>	1	<u><a href="#">Hulsea brevifolia</a></u>	short-leaved hulsea	Asteraceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Lewisia longipetala</a></u>	long-petaled lewisia	Portulacaceae	List 1B.3
	<input type="checkbox"/>	1	<u><a href="#">Meesia uliginosa</a></u>	broad-nerved hump-moss	Meesiaceae	List 2.2
	<input type="checkbox"/>	1	<u><a href="#">Polystichum lonchitis</a></u>	holly fern	Dryopteridaceae	List 3
	<input type="checkbox"/>	1	<u><a href="#">Potamogeton filiformis</a></u>	slender-leaved pondweed	Potamogetonaceae	List 2.2
	<input type="checkbox"/>	1	<u><a href="#">Rorippa subumbellata</a></u>	Tahoe yellow cress	Brassicaceae	List 1B.1
	<input type="checkbox"/>	1	<u><a href="#">Scirpus subterminalis</a></u>	water bulrush	Cyperaceae	List 2.3
	<input type="checkbox"/>	1	<u><a href="#">Scutellaria galericulata</a></u>	marsh skullcap	Lamiaceae	List 2.2

	<input type="checkbox"/>	1	<u><a href="#">Utricularia ochroleuca</a></u> 	cream-flowered bladderwort	Lentibulariaceae	List 2.2
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To save selected records for later study, click the ADD button.

Selections will appear in a new window.

No more hits.



# United States Department of the Interior

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## FISH AND WILDLIFE SERVICE

Fish & Wildlife Service  
logo

**Sacramento Fish and Wildlife Office  
2800 Cottage Way, Room W-2605  
Sacramento, California 95825**

January 15, 2008

Document Number: 080115023037

Angela Calderaro  
PMC  
2729 Prospect Park Drive #220  
Rancho Cordova, CA 95670

Subject: Species List for City of South Lake Tahoe General Plan Update

Dear: Interested party

We are sending this official species list in response to your January 15, 2008 request for information about endangered and threatened species. The list covers the California counties and/or U.S. Geological Survey 7½ minute quad or quads you requested.

Our database was developed primarily to assist Federal agencies that are consulting with us. Therefore, our lists include all of the sensitive species that have been found in a certain area *and also ones that may be affected by projects in the area*. For example, a fish may be on the list for a quad if it lives somewhere downstream from that quad. Birds are included even if they only migrate through an area. In other words, we include all of the species we want people to consider when they do something that affects the environment.

Please read Important Information About Your Species List (below). It explains how we made the list and describes your responsibilities under the Endangered Species Act.

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed and candidate species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be April 14, 2008.

Please contact us if your project may affect endangered or threatened species or if you have any questions about the attached list or your responsibilities under the Endangered Species Act. A list of Endangered Species Program contacts can be found at [www.fws.gov/sacramento/es/branches.htm](http://www.fws.gov/sacramento/es/branches.htm).

Endangered Species Division

These buttons will not appear on your list.

<- Revise Selection

Print this page

Make Official Letter ->

**Federal Endangered and Threatened Species that Occur in  
or may be Affected by Projects in the Counties and/or  
U.S.G.S. 7 1/2 Minute Quads you requested**

**Document Number: 080115023037**

**Database Last Updated: December 12, 2007**

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**Quad Lists**

**Listed Species**

**Fish**

- *Hypomesus transpacificus*
  - delta smelt (T)
- *Oncorhynchus (=Salmo) clarki henshawi*
  - Lahontan cutthroat trout (T)
- *Oncorhynchus mykiss*
  - Central Valley steelhead (T) (NMFS)
- *Oncorhynchus tshawytscha*
  - Central Valley spring-run chinook salmon (T) (NMFS)
  - winter-run chinook salmon, Sacramento River (E) (NMFS)

**Candidate Species**

**Amphibians**

- *Bufo canorus*
  - Yosemite toad (C)
- *Rana muscosa*
  - mountain yellow-legged frog (C)

**Mammals**

- *Martes pennanti*

- fisher (C)

**Plants**

- Rorippa subumbellata
  - Tahoe yellow-cress (C)

**Quads Containing Listed, Proposed or Candidate Species:**

MARKLEEVILLE (506A)

CARSON PASS (506B)

CAPLES LAKE (507A)

TRAGEDY SPRING (507B)

MINDEN (522A)

SOUTH LAKE TAHOE (522B)

FREEL PEAK (522C)

WOODFORDS (522D)

EMERALD BAY (523A)

ROCKBOUND VALLEY (523B)

PYRAMID PEAK (523C)

ECHO LAKE (523D)

HOMWOOD (538C)

MEEKS BAY (538D)

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**County Lists**

No county species lists requested.

**Key:**

- (E) Endangered - Listed as being in danger of extinction.
- (T) Threatened - Listed as likely to become endangered within the foreseeable future.
- (P) Proposed - Officially proposed in the Federal Register for listing as endangered or threatened.
- (NMFS) Species under the Jurisdiction of the [National Oceanic & Atmospheric Administration Fisheries Service](#). Consult with them directly about these species.
- Critical Habitat - Area essential to the conservation of a species.
- (PX) Proposed Critical Habitat - The species is already listed. Critical habitat is being proposed for it.

- (C) Candidate - Candidate to become a proposed species.
- (V) Vacated by a court order. Not currently in effect. Being reviewed by the Service.
- (X) Critical Habitat designated for this species

## Important Information About Your Species List

### How We Make Species Lists

We store information about endangered and threatened species lists by U.S. Geological Survey 7½ minute quads. The United States is divided into these quads, which are about the size of San Francisco.

The animals on your species list are ones that occur within, or may be affected by projects within, the quads covered by the list.

- Fish and other aquatic species appear on your list if they are in the same watershed as your quad or if water use in your quad might affect them.
- Amphibians will be on the list for a quad or county if pesticides applied in that area may be carried to their habitat by air currents.
- Birds are shown regardless of whether they are resident or migratory. Relevant birds on the county list should be considered regardless of whether they appear on a quad list.

### Plants

Any plants on your list are ones that have actually been observed in the area covered by the list. Plants may exist in an area without ever having been detected there. You can find out what's in the surrounding quads through the California Native Plant Society's online [Inventory of Rare and Endangered Plants](#).

### Surveying

Some of the species on your list may not be affected by your project. A trained biologist or botanist, familiar with the habitat requirements of the species on your list, should determine whether they or habitats suitable for them may be affected by your project. We recommend that your surveys include any proposed and candidate species on your list.

For plant surveys, we recommend using the [Guidelines for Conducting and Reporting Botanical Inventories](#). The results of your surveys should be published in any environmental documents prepared for your project.

### Your Responsibilities Under the Endangered Species Act

All animals identified as listed above are fully protected under the Endangered Species Act of 1973, as amended. Section 9 of the Act and its implementing regulations prohibit the take of a federally listed wildlife species. Take is defined by the Act as "to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect" any such animal.

Take may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding, or shelter (50 CFR §17.3).

**Take incidental to an otherwise lawful activity may be authorized by one of two procedures:**

- If a Federal agency is involved with the permitting, funding, or carrying out of a project that may result in take, then that agency must engage in a formal [consultation](#) with the Service.
- During formal consultation, the Federal agency, the applicant and the Service work together to avoid or minimize the impact on listed species and their habitat. Such consultation would result in a biological opinion by the Service addressing the anticipated effect of the project on listed and proposed species. The opinion may authorize a limited level of incidental take.
- If no Federal agency is involved with the project, and federally listed species may be taken as part of the project, then you, the applicant, should apply for an incidental take permit. The Service may issue such a permit if you submit a satisfactory conservation plan for the species that would be affected by your project.
- Should your survey determine that federally listed or proposed species occur in the area and are likely to be affected by the project, we recommend that you work with this office and the California Department of Fish and Game to develop a plan that minimizes the project's direct and indirect impacts to listed species and compensates for project-related loss of habitat. You should include the plan in any environmental documents you file.

**Critical Habitat**

When a species is listed as endangered or threatened, areas of habitat considered essential to its conservation may be designated as [critical habitat](#). These areas may require special management considerations or protection. They provide needed space for growth and normal behavior; food, water, air, light, other nutritional or physiological requirements; cover or shelter; and sites for breeding, reproduction, rearing of offspring, germination or seed dispersal.

Although critical habitat may be designated on private or State lands, activities on these lands are not restricted unless there is Federal involvement in the activities or direct harm to listed wildlife.

If any species has proposed or designated critical habitat within a quad, there will be a separate line for this on the species list. Boundary descriptions of the critical habitat may be found in the Federal Register. The information is also reprinted in the Code of Federal Regulations (50 CFR 17.95). See our [critical habitat page](#) for maps.

**Candidate Species**

We recommend that you address impacts to candidate species. We put plants and animals on our candidate list when we have enough scientific information to eventually propose them for listing as threatened or endangered. By considering these species early in your planning process you may be able to avoid the problems that could develop if one of these candidates was listed before the end of your project.

**Species of Concern**

The Sacramento Fish & Wildlife Office no longer maintains a list of species of concern. However, various other agencies and organizations maintain lists of at-risk species. These lists provide essential information for land management planning and conservation efforts. [More info](#)

**Wetlands**

If your project will impact wetlands, riparian habitat, or other jurisdictional waters as defined by section 404 of the Clean Water Act and/or section 10 of the Rivers and Harbors Act, you will need to obtain a permit from the U.S. Army Corps of Engineers. Impacts to wetland habitats require site specific mitigation and monitoring. For questions regarding wetlands, please contact Mark Littlefield of this office at (916) 414-6580.

#### **Updates**

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed and candidate species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be April 14, 2008.

California Department of Fish and Game  
 Natural Diversity Database  
 Selected Elements by Scientific Name - Landscape  
 City of South Lake Tahoe General Plan Update  
 Background Report

Scientific Name	Common Name	Element Code	Federal Status	State Status	Global Rank	State Rank	CNPS	CDFG
1 <i>Accipiter gentilis</i>	northern goshawk	ABNKC12060			G5	S3		SC
2 <i>Antrozous pallidus</i>	pallid bat	AMACC10010			G5	S3		SC
3 <i>Aquila chrysaetos</i>	golden eagle	ABNKC22010			G5	S3		SC
4 <i>Botrychium ascendens</i>	upswept moonwort	PPOPH010S0			G2G3	S1.3?	2.3	
5 <i>Botrychium crenulatum</i>	scalloped moonwort	PPOPH010L0			G3	S2.2	2.2	
6 <i>Botrychium montanum</i>	western goblin	PPOPH010K0			G3	S1.1	2.1	
7 <i>Bufo canorus</i>	Yosemite toad	AAABB01040	Candidate		G2	S2		SC
8 <i>Capnia lacustra</i>	Lake Tahoe benthic stonefly	IIPLE03200			G1	S1		
9 <i>Carex limosa</i>	mud sedge	PMCCY037K0			G5	S3?	2.2	
10 <i>Chaenactis douglasii var. alpina</i>	alpine dusty maidens	PDAST20065			G5T5	S2.3?	2.3	
11 <i>Cryptantha crymophila</i>	subalpine cryptantha	PDBOR0A0R0			G2	S2.3	1B.3	
12 <i>Cypseloides niger</i>	black swift	ABNUA01010			G4	S2		SC
13 <i>Draba asterophora var. asterophora</i>	Tahoe draba	PDBRA110D1			G4T2	S1.2	1B.3	
14 <i>Draba asterophora var. macrocarpa</i>	Cup Lake draba	PDBRA110D2			G4T1	S1.1	1B.3	
15 <i>Empidonax traillii</i>	willow flycatcher	ABPAE33040		Endangered	G5	S1S2		
16 <i>Epilobium oregonum</i>	Oregon fireweed	PDONA060P0			G2	S2.2	1B.2	
17 <i>Epilobium palustre</i>	marsh willowherb	PDONA060R0			G5	S1.3	2.3	
18 <i>Euphydryas editha monoensis</i>	Mono checkerspot butterfly	IILEPK405G			G5T3?	S1S2		
19 <i>Fen</i>	Fen	CTT51200CA			G2	S1.2		
20 <i>Gulo gulo</i>	California wolverine	AMAJF03010		Threatened	G4	S2		
21 <i>Haliaeetus leucocephalus</i>	bald eagle	ABNKC10010	Delisted	Endangered	G5	S2		
22 <i>Helisoma newberryi</i>	Great Basin rams-horn	IMGASM6020			G1Q	S1		
23 <i>Hulisea brevifolia</i>	short-leaved hulisea	PDAST4Z020			G3	S3.2	1B.2	
24 <i>Hydromantes platycephalus</i>	Mount Lyell salamander	AAAAAD09020			G3	S3		SC
25 <i>Lasionycteris noctivagans</i>	silver-haired bat	AMACC02010			G5	S3S4		SC
26 <i>Lepus americanus taohoensis</i>	Sierra Nevada snowshoe hare	AMAE03012			G5T3T4Q	S2?		SC
27 <i>Lepus townsendii</i>	western white-tailed jackrabbit	AMAE03040			G5	S3?		SC
28 <i>Lewisia longipetala</i>	long-petaled lewisia	PDPOR040K0			G2	S2.2	1B.3	
29 <i>Martes americana sierrae</i>	Sierra marten	AMAJF01014			G5T3T4	S3S4		
30 <i>Martes pennanti (pacific) DPS</i>	Pacific fisher	AMAJF01021	Candidate		G5	S2S3		SC
31 <i>Meesia triquetra</i>	three-ranked hump moss	NBMUS4L020			G5	S3S4.2	4.2	
32 <i>Meesia uliginosa</i>	broad-nerved hump moss	NBMUS4L030			G4	S2.2	2.2	

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Scientific Name	Common Name	Element Code	Federal Status	State Status	Global Rank	State Rank	CNPS	CDFG
33 <i>Myotis thysanodes</i>	fringed myotis	AMACC01090			G4G5	S4		
34 <i>Myotis volans</i>	long-legged myotis	AMACC01110			G5	S4?		
35 <i>Ochotona princeps muiri</i>	Yosemite pika	AMAEA0102J			G5T2T4	S2S4		
36 <i>Ochotona princeps schisticeps</i>	gray-headed pika	AMAEA0102H			G5T2T4	S2S4		
37 <i>Oncorhynchus clarkii henshawi</i>	Lahontan cutthroat trout	AFCHA02081	Threatened		G4T3	S2		
38 <i>Pandion haliaetus</i>	osprey	ABNKC01010			G5	S3		SC
39 <i>Potamogeton epihydrys ssp. nuttallii</i>	Nuttall's pondweed	PM POT03081			G5T5	S2.2?	2.2	
40 <i>Potamogeton filiformis</i>	slender-leaved pondweed	PM POT03090			G5	S1S2	2.2	
41 <i>Rana boylei</i>	foothill yellow-legged frog	AAABH01050			G3	S2S3		SC
42 <i>Rana sierrae</i>	Sierra Nevada yellow-legged frog	AAABH01340	Candidate		G1	S1		SC
43 <i>Riparia riparia</i>	bank swallow	ABPAU08010		Threatened	G5	S2S3		
44 <i>Rorippa subumbellata</i>	Tahoe yellow cress	PDBRA270M0	Candidate	Endangered	G1	S1.1	1B.1	
45 <i>Scirpus subterminalis</i>	water bulrush	PM CYP0Q1G0			G4G5	S2S3	2.3	
46 <i>Scutellaria galericulata</i>	marsh skullcap	PDLAM1U0J0			G5	S2.2?	2.2	
47 <i>Speyeria nokomis carsonensis</i>	Carson Valley silverspot	IILEPJ6056			G3T1	S1		
48 <i>Sphagnum Bog</i>	Sphagnum Bog	CTT51110CA			G3	S1.2		
49 <i>Strix nebulosa</i>	great gray owl	ABNSB12040		Endangered	G5	S1		
50 <i>Taxidea taxus</i>	American badger	AMAJF04010			G5	S4		SC
51 <i>Vulpes vulpes necator</i>	Sierra Nevada red fox	AMAJA03012		Threatened	G5T3	S1		
52 <i>Xanthocephalus xanthocephalus</i>	yellow-headed blackbird	ABPBXB3010			G5	S3S4		