

Appendix C
**Evaluation of Special-Status
for Coverage in Placer County**

Table C-1. Species Considered but Not Recommended

Species	Status ^a			Criteria ^b				Notes
	State	Placer Legacy	Federal	Range	Status	Impact	Data	
Invertebrates								
California linderiella <i>Linderiella occidentalis</i>	-	C3	-	Y	N	Y	Y	Very common in plan area. Several records from west Placer including Sun City, Roseville, Wildlands Sheridan Mitigation Bank, Wildlands Orchard Mitigation Bank, and West Park Property. About 40 occurrences have been recorded (CNDDDB 2015).
Johnson's hairstreak <i>Callophrys (Mitoura) johnsoni</i>	-	CC	-	Y	N	Y	Y	Recorded in Placer County; no specific location data provided (Opler et. al 1995). Known to occur in study area.
Lindsey's skipper <i>Hesperia lindseyi</i>	-	CC	-	Y	N	Y	Y	Recorded in Placer County; no specific location data provided (Opler et. al 1995).
Sonoran blue <i>Philotes sonorensis</i>	-	CC	-	Y	N	Y	Y	Recorded in Placer County; no specific location data provided (Opler et. al 1995). Known to occur in study area.
Western cloudywing <i>Thorybes diversus</i>	-	CC	-	Y	N	Y	Y	Recorded in Placer County; no specific location data provided (Opler et. al 1995).
California dogace butterfly <i>Zerene eurydice</i>	-	CC	-	Y	N	Y	Y	Recorded in Placer County but no specific location data provided (Opler et. al 1995). Known to occur in the plan area.
Kings Canyon cryptochian caddisfly <i>Cryptochia excella</i>	-	C1	-	Y	N	Y	Y	Recorded in Placer County; no specific location data provided (Erman and Erman 1995).
Spiny rhyacophila caddisfly <i>Rhyacophila spinata</i>	-	C3	-	Y	N	Y	Y	Known to occur in Lady's Canyon, Placer County on the Middle Fork of the American River (Erman and Nagano, 1992).

Species	Status ^a			Criteria ^b				Notes
	State	Placer Legacy	Federal	Range	Status	Impact	Data	
Mammals								
Pallid bat <i>Antrozous pallidus</i>	SSC	C4	FS, LS	Y	Y	Y	N	Within species' known distribution (Verner and Boss 1980; Zeiner et al. 1990), but no documented records found in CNDDDB, MVZ, or UCD.
Townsend's big-eared bat <i>Corynorhinus townsendii</i>	SSC	C4	FS, LS	Y	Y	N	Y	Within species' known distribution (Verner and Boss 1980; Zeiner et al. 1990); specimen record from San Juan Ridge (SFAS) and one recent record from west of Newcastle (CNDDDB 2015).
Spotted bat <i>Euderma maculatum</i>	SSC	C4	LS	Y	Y	Y	N	Within species' known distribution (Verner and Boss 1980; Zeiner et al. 1990), but no documented records found in CNDDDB, MVZ, or UCD.
Western mastiff bat <i>Eumops perotis californicus</i>	SSC	C4	LS	N	Y	Y	N	Near species' known distribution (Verner and Boss 1980; Zeiner et al. 1990), but no documented records found in CNDDDB, MVZ, or UCD.
Western small-footed myotis <i>Myotis ciliolabrum</i>	-	C4	LS	Y	N	Y	N	Within species' known distribution (Verner and Boss 1980; Zeiner et al. 1990), but no documented records found in CNDDDB, MVZ, or UCD; taxon included on species list for Spenceville Wildlife Area, so probably occurs in Placer County.
Long-eared myotis <i>Myotis evotis</i>	-	C4	LS	N	N	Y	N	Specimen records from near Independence Lake and Sagehen Creek, Nevada County; no documented records from Placer County (MVZ 2003).
Fringed myotis <i>Myotis thysanodes</i>	-	C4	FS, LS	Y	N	Y	N	Within species' known distribution (Verner and Boss 1980; Zeiner et al. 1990), but no documented records found in CNDDDB, MVZ, or UCD.
Long-legged myotis <i>Myotis volans</i>	-	C4	-	Y	N	Y	Y	A single specimen record from 1912 near Dutch Flat (MVZ 2003).
Yuma myotis <i>Myotis yumanensis</i>	-	C4	LS	N	N	Y	N	Specimen records from attic of a private residence near Hobart Mills, Nevada County; no documented records from Placer County (MVZ 2003).

Species	Status ^a			Criteria ^b				Notes
	State	Placer Legacy	Federal	Range	Status	Impact	Data	
Ring-tailed cat <i>Bassariscus astutus</i>	FP	C3	-	Y	N	Y	Y	Within species' known distribution (Verner and Boss 1980; Zeiner et al. 1990); no MVZ or CNDDB records, but suitable habitat exists along several foothill creeks such as Coon Creek and Auburn Ravine Creek (ICF file data). It is known to occur at Coon Creek.
American badger <i>Taxidea taxus</i>	SSC	C3	-	Y	N	Y	Y	Within species' known distribution (Verner and Boss 1980; Zeiner et al. 1990), but no documented records found in CNDDB, MVZ, or UCD; active burrows observed in headwaters basin of North Fork American River since the 1970s (T. Beedy pers. obs.).
Fish								
Hardhead <i>Mylopharodon conocephalus</i>	SSC	C3	FS	Y	N	Y	Y	Inhabits larger tributaries of the Sacramento River, including American (North and Middle Forks) and Bear Rivers and possibly lower reaches of Rubicon River; Auburn Ravine and Coon Creek (ICF file data).
Reptiles								
Coast horned lizard <i>Phrynosoma blainvillii</i>	SSC	C3	LS	Y	Y	N	Y	Within species' range. Three occurrences recorded in the Colfax area (CNDDB 2015).
Amphibians								
California tiger salamander – Central Valley Distinct Population Segment <i>Ambystoma californiense</i>	ST	C2	FT	N	Y	Y	Y	CDFW does not consider this species to occur in Placer County (CDFG 2010; Figure 6), but suitable habitat occurs in the western part of the County.
Western spadefoot <i>Spea hammondi</i>	SSC	-	LS	Y	N	Y	N	Five occurrences in the non-participating cities. Suitable habitat occurs in the western part of the County.
Birds								
Redhead (nesting) <i>Aythya americana</i>	SSC	C3	MBTA	Y	N	Y	Y	Probably a rare breeder in the Plan area.
American white pelican (nesting colony) <i>Pelecanus erythrorhynchos</i>	SSC	C3	MBTA	N	N	Y	Y	Not known to nest in the Plan area.

Species	Status ^a			Criteria ^b				Notes
	State	Placer Legacy	Federal	Range	Status	Impact	Data	
Great blue heron (nesting colony) <i>Ardea herodias</i>	CDF-S	C3	MBTA	Y	N	Y	Y	Common in the Plan area, rookery sites known to occur.
White-faced ibis (nesting colony) <i>Plegadis chihi</i>	-	C3	MBTA	Y	N	Y	Y	Suitable nesting habitat is present Frequent in the western part of the Plan area, especially in winter.
Sharp-shinned hawk (nesting) <i>Accipiter striatus</i>	-	-	MBTA	Y	N	Y	Y	Unlikely to nest in the plan area; however, numerous observations the plan area (eBird Data 2013).
Golden eagle (nesting & wintering) <i>Aquila chrysaetos</i>	FP, CDF-S	C3	BCC, LS, MBTA, BGEPA	Y	Y	Y	Y	Not known to nest in the Plan Area. Twelve wintering observations during Lincoln CBCs 2002–2012. Twenty-six observations in the plan area (eBird Data 2013).
Rough-legged hawk (wintering) <i>Buteo lagopus</i>	-	C3	MBTA	Y	N	Y	Y	Known to winter and regularly occurs in small numbers on the valley floor in Western Placer County (Webb 2003; eBird Data 2013).
White-tailed kite (nesting) <i>Elanus leucurus</i>	FP	C3	LS, MBTA	Y	Y	Y	Y	Frequently observed in the Plan area; known to nest in the Plan area (Lincoln CBC, eBird 2013).
Bald eagle (nesting & wintering) <i>Haliaeetus leucocephalus</i>	SE, FP, CDF-S	-	FD, BCC, LS, FS, MBTA, BGEPA	Y	Y	N	Y	Not known to nest in the Plan Area. Individuals regularly overwinter in the Plan Area. Not likely to be listed under federal ESA as it has been recently delisted. Effects to potential nesting habitat expected
Osprey (nesting) <i>Pandion haliaetus</i>	CDF-S	C3	MBTA	Y	N	Y	Y	Frequently observed, but few nesting records in Plan area; one recorded in CNDDDB (2015).
Merlin (wintering) <i>Falco columbarius</i>	-	C3	MBTA	Y	N	Y	Y	Known to winter in the Plan area: 57 observations during Lincoln CBCs 2002–2012; 53 observations in the plan area (eBird Data 2013).
Prairie falcon (nesting) <i>Falco mexicanus</i>	-	C3	BCC, MBTA	Y	N	Y	Y	Unlikely to nest in the Plan area, but present in winter and migration. 94 wintering observations during Lincoln CBCs 2002–2012. Forty-one observations in the plan area (eBird Data 2013).

Species	Status ^a			Criteria ^b				Notes
	State	Placer Legacy	Federal	Range	Status	Impact	Data	
American peregrine falcon (nesting) <i>Falco peregrinus anatum</i>	SD, FP, CDF-S	-	FD, BCC, MBTA	Y	Y	N	Y	Overwinters in Plan Area. Not likely to be listed under federal ESA or CESA as it has been recently delisted. Effects on potential nesting habitat expected.
Greater sandhill crane (nesting & wintering) <i>Grus canadensis tabida</i>	ST, FP	C1	FS, LS, MBTA	Y	Y	N	Y	Does not nest in the Plan area. Rarely observed during winter and migration: 13 observations during Lincoln CBCs 2002–2012.
Short-eared owl (nesting) <i>Asio flammeus</i>	SSC	C3	MBTA	Y	Y	Y	Y	May nest in the Plan area. Fifteen wintering observations during Lincoln CBCs 2002–2012. Fifteen observations in the Plan Area (eBird Data 2013).
Long-eared owl (nesting) <i>Asio otus</i>	SSC	C3	MBTA	N	Y	N	Y	No observations in the plan area (eBird Data 2015).
Western yellow-billed cuckoo (nesting) <i>Coccyzus americanus occidentalis</i>	SE	C2	FT, BCC, FS, LS, MBTA	N	Y	Y	Y	There are no recent records of western yellow-billed cuckoo in Placer County, however the yellow-billed cuckoo occurred historically in the plan area as a breeding species in Auburn Ravine in the early 1900s. No individuals have been observed in the plan area (eBird Data 2013).
Black swift (nesting) <i>Cypseloides niger</i>	SSC	C3	BCC, MBTA	N	Y	N	Y	Does not nest in the plan area.
Purple martin (nesting) <i>Progne subis</i>	SSC	C4	MBTA	Y	Y	Y	Y	Nesting recorded in the Plan area near Rocklin on bridge in the Taylor Rd/Highway 65 area (eBird Data 2015).
Chipping sparrow (nesting) <i>Spizella passerina</i>	-	CC	MBTA	Y	N	Y	Y	Fifteen observations in the plan area (eBird Data 2013).
Plants								
Dwarf downingia <i>Downingia pusilla</i>	2B.2	-	-	Y	N	Y	Y	18 occurrences in study area (CNDDDB 2015).
Boggs Lake hedge-hyssop <i>Gratiola heterosepala</i>	SE, 1B.2	-	FS	Y	Y	Y	N	Three occurrences: two between Rocklin and Roseville; the third just north of Lincoln (CNDDDB 2015).

Species	Status ^a			Criteria ^b				Notes
	State	Placer Legacy	Federal	Range	Status	Impact	Data	
Ahart's dwarf rush <i>Juncus leiospermus</i> var. <i>ahartii</i>	1B.2	-	-	Y	N	Y	N	One occurrence in study area near Highway 65 between Lincoln and Rocklin (CNDBB 2015).
Legenere <i>Legenere limosa</i>	1B.1	-	FS	Y	N	Y	N	Two occurrences observed near Highway 65 and between Lincoln and Rocklin (CNDDDB 2015).

^a Status Definitions**Federal**

- = No listing.
- BCC = U.S. Fish and Wildlife Service Bird of Conservation Concern.
- BGEPA = Bald and Golden Eagle Protection Act.
- FD = Delisted from the federal Endangered Species Act.
- FS = Considered a sensitive species by the U.S. Forest Service.
- FT = Listed as threatened under the federal Endangered Species Act.
- LS = Considered a sensitive species by the U.S. Bureau of Land Management.
- MBTA = Migratory Bird Treaty Act—fully protected from take by the U.S. Fish and Wildlife Service.

State

- = No listing or special status.
- 1B.1 = California Rare Plant Rank (CRPR) 1B.1: Rare or endangered in California and elsewhere; seriously endangered in California.
- 1B.2 = CRPR 1B.2: Rare or endangered in California and elsewhere; fairly endangered in California.
- 2B.2 = CRPR 2B.2: Plants rare, threatened, or endangered in California, but more common elsewhere; fairly endangered in California.
- CDF-S = California Department of Forestry and Fire Protection—Sensitive
- FP = Fully protected under the California Fish and Game Code.
- SD = Delisted from the California Endangered Species Act
- SE = Listed as endangered under the California Endangered Species Act.

State, continued

ST = Listed as threatened under the California Endangered Species Act.

SSC = Considered a Species of Special Concern by the California Department of Fish and Wildlife

Placer Legacy

CC = Species of conservation concern to the scientific community; no state or federal protection status

C1 = State/Federal Listed Species known to occur in Placer County

C2 = State/Federal Listed Species that could potentially occur in Placer County

C3 = Other Special Status Species known to occur in Placer County.

C4 = Other Special Status Species that could potentially occur in Placer County.

b Criteria

Range: The species is known to occur or is likely to occur within the HCP/PCCP study area, based on credible evidence, or the species is not currently known in the study area but is expected in the study area during the permit term (e.g., through range expansion or reintroduction to historic range).

Status: The species is either:

Listed under the federal ESA as threatened or endangered, or proposed for listing;

Listed under CESA as threatened or endangered or a candidate for such a listing, or listed under the Native Plant Protection Act as rare; or

Expected to be listed under ESA or CESA within the permit term. Potential for listing during the permit term is based on current listing status, consultation with experts and Wildlife Agency staff, evaluation of species population trends and threats, and best professional judgment.

Impact: The species or its habitat would be adversely affected by covered activities or projects that may result in take of the species.

Data: Sufficient data exist on the species' life history, habitat requirements, and occurrence in the study area to adequately evaluate these impacts on the species and to develop conservation measures to mitigate these impacts to levels specified by regulatory standards.

Species proposed for coverage in the Plan were limited to those species for which impacts from covered activities were likely, in order to provide take authorization for the highest priority species. However, many other special-status species are expected to benefit from the Plan.

Y = Sufficient data available.

N = Information on the species is limited.

Muesums and Databases:

CBC = Lincoln Christmas Bird Count data from 2002

ICF file data = Unpublished reports and field notes in the files of ICF International, Sacramento, CA

MVZ = Records search (2003) of the Museum of Vertebrate Zoology, University of California, Berkeley, CA

SFAS = Unpublished Placer County field notes and data bases compiled by members of the Sierra Foothills Audubon Society, Grass Valley, CA

UCD = Records search of the Wildlife and Entomology Museums, University of California, Davis (2001)

Other Acronyms

CESA = California Endangered Species Act

ESA = Federal Endangered Species Act

Table C-2. Species Recommended for Coverage Under the HCP/NCCP

Species	Status ^a		Criteria ^b				Notes
	State	Federal	Range	Status	Impact	Data	
Invertebrates							
Valley elderberry longhorn beetle <i>Desmocerus californicus dimorphus</i>	-	FT	Y	Y	Y	Y	Known to occur in study area (CNDDDB 2015).
Conservancy fairy shrimp <i>Branchinecta conservatio</i>	-	FE	Y	Y	Y	Y	One record in study area (CNDDDB 2015).
Vernal pool fairy shrimp <i>Branchinecta lynchi</i>	-	FT	Y	Y	Y	Y	Known to occur in study area. (CNDDDB 2015).
Vernal pool tadpole shrimp <i>Lepidurus packardii</i>	-	FE	Y	Y	Y	Y	Known to occur in study area (CNDDDB 2015).
Fish							
Steelhead - Central Valley Distinct Population Segment <i>Oncorhynchus mykiss irideus</i>	-	FT	Y	Y	Y	Y	Known to occur in multiple locations in study area (ICF file data).
Chinook salmon - Central Valley fall/late fall-run Evolutionarily Significant Unit <i>Oncorhynchus tshawytscha</i>	SSC	NSC, FS	Y	Y	Y	Y	Known to occur in multiple locations in study area.
Reptiles							
Giant gartersnake <i>Thamnophis gigas</i>	ST	FT	(Y)	Y	Y	Y	An individual was collected in 1923 near Loomis (MVZ 2003); not currently known to occur in Placer County but occurs nearby (CNDDDB 2015).
Western pond turtle <i>Emys marmorata</i>	SSC	FS, LS	Y	Y	Y	Y	Known to occur in numerous locations in the study Phase I Planning Area.
Amphibians							

Species	Status ^a		Criteria ^b				Notes
	State	Federal	Range	Status	Impact	Data	
Foothill yellow-legged frog <i>Rana boylei</i>	CT, SSC	FS, LS	Y	Y	Y	Y	Historic range includes the plan area, particularly the American River watershed, however no known occurrences of the species have been observed in the plan area. Most recent records from Tahoe National Forest, Bear River, Middle Fork American River, and North Fork American River. There are no records from the Phase I Planning Area (CNDDDB 2015).
California red-legged frog <i>Rana draytonii</i>	SSC	FT	Y	Y	Y	L	Three occurrences in study area. The Auburn area population is considered extirpated. The 3 occurrences are in one population in Michigan Bluff, near Foresthill. (Jennings and Hayes 1994; CNDDDB 2015).
Birds							
Swainson's hawk (nesting) <i>Buteo swainsoni</i>	ST	LS, MBTA, BCC	Y	Y	Y	Y	Numerous recent nesting records in the Phase I Planning Area, from the vicinity of Roseville, Elverta, and Wheatland (CNDDDB 2015). Numerous occurrences have been observed in the plan area by eBird participants (eBird Data 2013).
California black rail <i>Laterallus jamaicensis coturniculus</i>	ST, FP	LS, MBTA, BCC	Y	Y	Y	Y	Known to occur occasionally in study area. Three occurrences observed during the Lincoln CBC in 2011, and several occurrences have been documented by eBird participants (eBird data 2013). In addition, University of California research teams discovered individuals in Lincoln and northwest Placer County.
Burrowing owl (burrow sites and some wintering sites) <i>Athene cunicularia</i>	SSC	LS, MBTA, BCC	Y	Y	Y	Y	Four occurrences in western Placer County. (CNDDDB 2015). A breeding pair was at Doty Ravine Preserve Species. Ten occurrences observed during Lincoln CBC 2002–2012. Three occurrences observed in Roseville by eBird participants (eBird Data 2013).
Tricolored blackbird <i>Agelaius tricolor</i>	CE, SSC	LS, MBTA, BCC	Y	Y	Y	Y	Known to breed in area. Numerous occurrences documented during the Lincoln CBC 2002–2012. Numerous occurrences have been observed in the plan area by eBird participants (eBird Data 2013). The local population has experienced a decline.

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BCC = U.S. Fish and Wildlife Service Bird of Conservation Concern.

FE = Listed as Endangered under the federal Endangered Species Act.

FS = Considered a sensitive species by the U.S. Forest Service.

FT = Listed as Threatened under the federal Endangered Species Act.

LS = Considered a sensitive species by the U.S. Bureau of Land Management.

MBTA = Migratory Bird Treaty Act. Fully protected from take by the U.S. Fish and Wildlife Service

NSC = Considered a Species of Concern by the National Marine Fisheries Service

State

- = No listing or special status.

CE = Candidate for listing as Endangered under the California Endangered Species Act.

CT = Candidate for listing as Threatened under the California Endangered Species Act.

FP = Fully protected under the California Fish and Game Code.

SSC = Considered a Species of Special Concern by the California Department of Fish and Wildlife.

ST = Listed as threatened under the California Endangered Species Act.

^b Criteria

Range: The species is known to occur or is likely to occur within the HCP/PCCP study area, based on credible evidence, or the species is not currently known in the study area but is expected in the study area during the permit term (e.g., through range expansion or reintroduction to historic range).

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L = Information on the species is limited.

Museums and Data Bases:

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MVZ = Records search (2003) of the Museum of Vertebrate Zoology, University of California, Berkeley, CA

References

Written References

- California Department of Fish and Game. 2010. A Status Review of the California Tiger Salamander (*Ambystoma californiense*). Wildlife Branch, Nongame Wildlife Program Report. January 11. Report to the Fish and Game Commission. Sacramento, CA. Available: <https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=21754&inline>
- CNDDDB: California Department of Fish and Wildlife. 2015. California Natural Diversity Database, RareFind 5, Bios Viewer 5.35.16. (December 4, 2015). Sacramento CA.
- eBird. 2013. eBird: An online database of bird distribution and abundance [web application]. eBird, Cornell Lab of Ornithology, Ithaca, New York. Available <http://www.ebird.org>. Accessed: 2013.
- Erman, N. A. 1994. Factors affecting the distribution of a new species of *Allomyia* (Trichoptera: Apataniidae) in cold springs of the Sierra Nevada, California, USA in The Proceedings of the 8th International Symposium on
- Erman, N. A., and D. C. Erman. 1995. Spring Permanence, Trichoptera Species Richness, and the Role of Drought. *J. Kansas Entomological Soc.*, 68(2) suppl. pp. 50-64.
- Jennings, M.R., and M.P. Hayes. 1994. Amphibian and Reptile Species of Special Concern in California. California Department of Fish and Game. Available: <http://www.elkhornsloughctp.org/uploads/files/1401225720%2382%20%3D%20Jennings%20and%20Hayes.pdf>. Accessed: 2013.
- Opler, P. A., H. Pavulaan, and R. E. Stanford (coordinators). 1995. Butterflies of North America. Jamestown, ND: Northern Prairie Wildlife Research Center Home Page. <http://www.npwrc.usgs.gov/resource/distr/lepid/bflyusa/bflyusa.htm> (Version 30DEC2002). Trichoptera, pp. 89–93 (Ohio Biological Survey).
- Verner, J. and A. S. Boss. 1980. California wildlife and their habitats: western Sierra Nevada. Gen. Tech Report. PSW-37. Pacific Southwest Range Exp. Station., U.S. Forest Service, Department of Agriculture, Berkeley, CA
- Webb, B. 2003. Seasonal checklist of the Birds of Placer County. Unpublished document.
- Zeiner, D. C., W. F. Laudenslayer, Jr., K. E. Mayer, and M. White. 1990. California's Wildlife. Volume I: Reptiles and amphibians; Volume II: Birds; Volume III: Mammals. California Department of Fish and Game, Sacramento, CA.

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