

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness. Status as of February 2009. CE = California State Endangered, CT = California State Threatened, CR = California State Rare, CC = California Candidate, FE = Federal Endangered, FT = Federal Threatened, FC = Federal Candidate.

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Amphibian	Ambystoma californiense	California tiger salamander	1414	CC	FT	X		
Amphibian	Ambystoma macrodactylum croceum	Santa Cruz long-toed salamander	35	CE	FE		X	
Amphibian	Anaxyrus californicus	arroyo toad	674		FE	X		
Amphibian	Anaxyrus canorus	Yosemite toad	524		FC	X		
Amphibian	Anaxyrus exsul	black toad	35	CT			X	
Amphibian	Ascaphus truei	western tailed frog	801			X		
Amphibian	Batrachoseps campi	Inyo Mountains slender salamander	66			X		
Amphibian	Batrachoseps major aridus	desert slender salamander	18	CE	FE			
Amphibian	Batrachoseps relictus	relictual slender salamander	91			X		
Amphibian	Batrachoseps simatus	Kern Canyon slender salamander	50	CT				
Amphibian	Batrachoseps sp. 1	Breckenridge Mountain slender salamander	14			X		
Amphibian	Batrachoseps stebbinsi	Tehachapi slender salamander	63	CT				
Amphibian	Ensatina eschscholtzii croceator	yellow-blotched salamander	222			X		
Amphibian	Ensatina klauberi	large-blotched salamander	165			X		
Amphibian	Hydromantes brunus	limestone salamander	37	CT			X	
Amphibian	Hydromantes platycephalus	Mount Lyell salamander	197			X		
Amphibian	Hydromantes shastae	Shasta salamander	126	CT				
Amphibian	Hydromantes sp. 1	Owens Valley web-toed salamander	9			X		
Amphibian	Incilius alvarius	Colorado River toad	51			X		
Amphibian	Lithobates pipiens	northern leopard frog	111			X		
Amphibian	Plethodon asupak	Scott Bar salamander	27	CT				
Amphibian	Plethodon elongatus	Del Norte salamander	501			X		
Amphibian	Plethodon stormi	Siskiyou Mountains salamander	133	CT				
Amphibian	Rana aurora	northern red-legged frog	345			X		
Amphibian	Rana boylei	foothill yellow-legged frog	3826			X		
Amphibian	Rana cascadae	Cascades frog	460			X		
Amphibian	Rana draytonii	California red-legged frog	2079		FT	X		
Amphibian	Rana muscosa	Sierra Madre yellow-legged frog	1019		FE	X		
Amphibian	Rana pretiosa	Oregon spotted frog	23		FC	X		
Amphibian	Rana sierrae	Sierra Nevada yellow-legged frog	1152		FC	X		

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Amphibian	<i>Rana yavapaiensis</i>	lowland leopard frog	48			X		
Amphibian	<i>Rhyacotriton variegatus</i>	southern torrent salamander	608			X		
Amphibian	<i>Scaphiopus couchii</i>	Couch's spadefoot	65			X		
Amphibian	<i>Spea hammondi</i>	western spadefoot	1459			X		
Amphibian	<i>Taricha torosa torosa</i>	Coast Range newt	459			X		
Bird	<i>Accipiter gentilis</i>	northern goshawk	1392			X		
Bird	<i>Agelaius tricolor</i>	tricolored blackbird	2418			X		
Bird	<i>Ammodramus savannarum</i>	grasshopper sparrow	58			X		
Bird	<i>Aquila chrysaetos</i>	golden eagle	492				X	
Bird	<i>Asio flammeus</i>	short-eared owl	171			X		
Bird	<i>Asio otus</i>	long-eared owl	285			X		
Bird	<i>Athene cucularia</i>	burrowing owl	3212			X		
Bird	<i>Brachyramphus marmoratus</i>	marbled murrelet	1066	CE	FT			
Bird	<i>Buteo swainsoni</i>	Swainson's hawk	2536	CT				
Bird	<i>Campylorhynchus brunneicapillus sandiegensis</i>	coastal cactus wren	301			X		
Bird	<i>Centrocercus urophasianus</i>	greater sage-grouse	912			X		
Bird	<i>Charadrius alexandrinus nivosus</i>	western snowy plover	773		FT	X		
Bird	<i>Charadrius montanus</i>	mountain plover	428			X		
Bird	<i>Chlidonias niger</i>	black tern	4			X		
Bird	<i>Circus cyaneus</i>	northern harrier	260			X		
Bird	<i>Coccyzus americanus occidentalis</i>	western yellow-billed cuckoo	400	CE	FC			
Bird	<i>Colaptes chrysoides</i>	gilded flicker	20	CE				
Bird	<i>Contopus cooperi</i>	olive-sided flycatcher	63			X		
Bird	<i>Coturnicops noveboracensis</i>	yellow rail	3			X		
Bird	<i>Cypseloides niger</i>	black swift	138			X		
Bird	<i>Dendragapus fuliginosus howardi</i>	Mount Pinos sooty grouse	4			X		
Bird	<i>Dendrocygna bicolor</i>	fulvous whistling-duck	49			X		
Bird	<i>Dendroica petechia brewsteri</i>	yellow warbler	199			X		
Bird	<i>Dendroica petechia sonorana</i>	Sonoran yellow warbler	25			X		
Bird	<i>Elanus leucurus</i>	white-tailed kite	484				X	
Bird	<i>Empidonax traillii</i>	willow flycatcher	484	CE				
Bird	<i>Falco peregrinus anatum</i>	American peregrine falcon	122	CE	Delisted		X	
Bird	<i>Fratercula cirrhata</i>	tufted puffin	46			X		

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Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Bird	<i>Gelochelidon nilotica</i>	gull-billed tern	19			X		
Bird	<i>Geothlypis trichas sinuosa</i>	saltmarsh common yellowthroat	273			X		
Bird	<i>Grus canadensis tabida</i>	greater sandhill crane	951	CT			X	
Bird	<i>Gymnogyps californianus</i>	California condor	5248	CE	FE			
Bird	<i>Haliaeetus leucocephalus</i>	bald eagle	766	CE	Delisted		X	
Bird	<i>Histrionicus histrionicus</i>	harlequin duck	4			X		
Bird	<i>Icteria virens</i>	yellow-breasted chat	342			X		
Bird	<i>Ixobrychus exilis</i>	least bittern	15			X		
Bird	<i>Lanius ludovicianus</i>	loggerhead shrike	72			X		
Bird	<i>Laterallus jamaicensis coturniculus</i>	California black rail	471	CT			X	
Bird	<i>Melanerpes uropygialis</i>	Gila woodpecker	163	CE				
Bird	<i>Melospiza melodia maxillaris</i>	Suisun song sparrow	101			X		
Bird	<i>Melospiza melodia pusillula</i>	Alameda song sparrow	117			X		
Bird	<i>Melospiza melodia samuelis</i>	San Pablo song sparrow	111			X		
Bird	<i>Micrathene whitneyi</i>	elf owl	92	CE				
Bird	<i>Oceanodroma furcata</i>	fork-tailed storm-petrel	13			X		
Bird	<i>Oceanodroma homochroa</i>	ashy storm-petrel	11			X		
Bird	<i>Passerculus sandwichensis beldingi</i>	Belding's savannah sparrow	210	CE				
Bird	<i>Pelecanus erythrorhynchos</i>	American white pelican	92			X		
Bird	<i>Pelecanus occidentalis californicus</i>	California brown pelican	24	CE	FE			
Bird	<i>Pipilo crissalis eremophilus</i>	Inyo California towhee	69	CE	FT			
Bird	<i>Piranga rubra</i>	summer tanager	117			X		
Bird	<i>Polioptila californica</i>	coastal California gnatcatcher	1261		FT	X		
Bird	<i>Progne subis</i>	purple martin	128			X		
Bird	<i>Pyrocephalus rubinus</i>	vermillion flycatcher	87			X		
Bird	<i>Rallus longirostris levipes</i>	light-footed clapper rail	148	CE	FE		X	
Bird	<i>Rallus longirostris obsoletus</i>	California clapper rail	280	CE	FE		X	
Bird	<i>Rallus longirostris yumanensis</i>	Yuma clapper rail	223	CT	FE		X	
Bird	<i>Riparia riparia</i>	bank swallow	578	CT				
Bird	<i>Rynchops niger</i>	black skimmer	21			X		
Bird	<i>Sternula antillarum browni</i>	California least tern	200	CE	FE		X	
Bird	<i>Strix nebulosa</i>	great gray owl	223	CE				
Bird	<i>Strix occidentalis caurina</i>	northern spotted owl	5438		FT	X		

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Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Bird	<i>Strix occidentalis occidentalis</i>	California spotted owl	5084			X		
Bird	<i>Synthliboramphus hypoleucus scrippsi</i>	Xantu's murrelet	17	CT	FC			
Bird	<i>Toxostoma bendirei</i>	Bendire's thrasher	164			X		
Bird	<i>Toxostoma crissale</i>	Crissal thrasher	153			X		
Bird	<i>Vermivora luciae</i>	Lucy's warbler	9			X		
Bird	<i>Vireo bellii arizonae</i>	Arizona bell's vireo	75	CE				
Bird	<i>Vireo bellii pusillus</i>	least Bell's vireo	908	CE	FE			
Bird	<i>Vireo vicinior</i>	gray vireo	76			X		
Bird	<i>Xanthocephalus xanthocephalus</i>	yellow-headed blackbird	112			X		
Fish	<i>Acipenser medirostris</i>	green sturgeon	29		FT	X		
Fish	<i>Archoplites interruptus</i>	Sacramento perch	12			X		
Fish	<i>Catostomus fumeiventris</i>	Owens sucker	86			X		
Fish	<i>Catostomus microps</i>	Modoc sucker	57	CE	FE		X	
Fish	<i>Catostomus occidentalis lacusanserinus</i>	Goose Lake sucker	112			X		
Fish	<i>Catostomus santaanae</i>	Santa Ana sucker	215		FT	X		
Fish	<i>Catostomus snyderi</i>	Klamath largescale sucker	17			X		
Fish	<i>Chasmistes brevirostris</i>	shortnose sucker	251	CE	FE		X	
Fish	<i>Cottus asperimus</i>	rough sculpin	72	CT			X	
Fish	<i>Cottus klamathensis macrops</i>	bigeye marbled sculpin	56			X		
Fish	<i>Cyprinodon macularius</i>	desert pupfish	113	CE	FE			
Fish	<i>Cyprinodon nevadensis amargosae</i>	Amargosa pupfish	27			X		
Fish	<i>Cyprinodon nevadensis nevadensis</i>	Saratoga Springs pupfish	4			X		
Fish	<i>Cyprinodon nevadensis shoshone</i>	Shoshone pupfish	4			X		
Fish	<i>Cyprinodon radiosus</i>	Owens pupfish	27	CE	FE		X	
Fish	<i>Cyprinodon salinus milleri</i>	Cottonball Marsh pupfish	8	CT				
Fish	<i>Cyprinodon salinus salinus</i>	Salt Creek pupfish	5			X		
Fish	<i>Deltistes luxatus</i>	Lost River sucker	207	CE	FE		X	
Fish	<i>Eucyclogobius newberryi</i>	tidewater goby	336		FE	X		
Fish	<i>Gasterosteus aculeatus williamsoni</i>	unarmored threespine stickleback	103	CE	FE		X	
Fish	<i>Gila bicolor mohavensis</i>	Mohave tui chub	22	CE	FE		X	
Fish	<i>Gila bicolor snyderi</i>	Owens tui chub	46	CE	FE			
Fish	<i>Gila bicolor ssp. 1</i>	Eagle Lake tui chub	48			X		
Fish	<i>Gila bicolor thalassina</i>	Goose Lake tui chub	112			X		

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Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Fish	<i>Gila bicolor vaccaceps</i>	Cow Head tui chub	14			X		
Fish	<i>Gila coerulea</i>	blue chub	7			X		
Fish	<i>Gila elegans</i>	bonytail	57	CE	FE			
Fish	<i>Gila orcuttii</i>	arroyo chub	290			X		
Fish	<i>Hypomesus transpacificus</i>	Delta smelt	29	CT	FT			
Fish	<i>Hysterocarpus traski pomo</i>	Russian River tule perch	14			X		
Fish	<i>Lampetra hubbsi</i>	Kern brook lamprey	9			X		
Fish	<i>Lampetra tridentata</i> ssp. 1	Goose Lake lamprey	112			X		
Fish	<i>Lavinia exilicauda</i> chi	Clear Lake hitch	77			X		
Fish	<i>Lavinia symmetricus mitrulus</i>	Pit roach	64			X		
Fish	<i>Lavinia symmetricus navarroensis</i>	Navarro roach	15			X		
Fish	<i>Lavinia symmetricus parvipinnis</i>	Gualala roach	17			X		
Fish	<i>Lavinia symmetricus</i> ssp. 1	San Joaquin roach	28			X		
Fish	<i>Lavinia symmetricus</i> ssp. 2	Tomales roach	28			X		
Fish	<i>Lavinia symmetricus</i> ssp. 3	Red Hills roach	18			X		
Fish	<i>Mylopharodon conocephalus</i>	hardhead	152			X		
Fish	<i>Oncorhynchus clarkii clarkii</i>	coast cutthroat trout	737			X		
Fish	<i>Oncorhynchus clarkii henshawi</i>	Lahontan cutthroat trout	156		FT			
Fish	<i>Oncorhynchus clarkii seleniris</i>	Paiute cutthroat trout	40		FT			
Fish	<i>Oncorhynchus gorbuscha</i>	pink salmon	6			X		
Fish	<i>Oncorhynchus kisutch</i>	coho salmon - central California coast ESU	151	CE	FE			
Fish	<i>Oncorhynchus mykiss aguabonita</i>	Volcano Creek golden trout	166			X		
Fish	<i>Oncorhynchus mykiss aquilarum</i>	Eagle Lake rainbow trout	48			X		
Fish	<i>Oncorhynchus mykiss irideus</i>	steelhead - central California coast ESU	1624		FT			
Fish	<i>Oncorhynchus mykiss</i> ssp. 1	Goose Lake redband trout	112			X		
Fish	<i>Oncorhynchus mykiss</i> ssp. 2	McCloud River redband trout	50			X		
Fish	<i>Oncorhynchus mykiss whitei</i>	Little Kern golden trout	87		FT			
Fish	<i>Oncorhynchus tshawytscha</i>	chinook salmon - California coastal ESU	11		FT			
Fish	<i>Oncorhynchus tshawytscha</i> spring-run	chinook salmon spring-run	437	CT	FT			
Fish	<i>Oncorhynchus tshawytscha</i> winter-run	chinook salmon winter-run	109	CE	FE			
Fish	<i>Pogonichthys macrolepidotus</i>	Sacramento splittail	156			X		
Fish	<i>Ptychocheilus lucius</i>	Colorado pikeminnow	11	CE	FE		X	
Fish	<i>Rhinichthys osculus</i> ssp. 1	Amargosa Canyon speckled dace	19			X		

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Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Fish	Rhinichthys osculus ssp. 2	Owens speckled dace	56			X		
Fish	Rhinichthys osculus ssp. 3	Santa Ana speckled dace	64			X		
Fish	Xyrauchen texanus	razorback sucker	144	CE	FE		X	
Mammal	Ammospermophilus nelsoni	Nelson's antelope squirrel	629	CT				
Mammal	Antrozous pallidus	pallid bat	1675			X		
Mammal	Aplodontia rufa californica	Sierra Nevada mountain beaver	203			X		
Mammal	Aplodontia rufa nigra	Point Arena mountain beaver	32		FE	X		
Mammal	Aplodontia rufa phaea	Point Reyes mountain beaver	48			X		
Mammal	Arborimus albipes	white-footed vole	30			X		
Mammal	Arborimus pomo	Sonoma tree vole	822			X		
Mammal	Brachylagus idahoensis	pygmy rabbit	57			X		
Mammal	Chaetodipus californicus femoralis	Dulzura pocket mouse	223			X		
Mammal	Chaetodipus fallax fallax	northwestern San Diego pocket mouse	511			X		
Mammal	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	296			X		
Mammal	Choeronycteris mexicana	Mexican long-tongued bat	70			X		
Mammal	Corynorhinus townsendii	Townsend's big-eared bat	1012			X		
Mammal	Dipodomys californicus eximius	Marysville California kangaroo rat	17			X		
Mammal	Dipodomys heermanni morroensis	Morro Bay kangaroo rat	13	CE	FE		X	
Mammal	Dipodomys ingens	giant kangaroo rat	352	CE	FE			
Mammal	Dipodomys merriami parvus	San Bernardino kangaroo rat	310		FE	X		
Mammal	Dipodomys nitratooides brevinasus	short-nosed kangaroo rat	384			X		
Mammal	Dipodomys nitratooides exilis	Fresno kangaroo rat	27	CE	FE			
Mammal	Dipodomys nitratooides nitratooides	Tipton kangaroo rat	466	CE	FE			
Mammal	Dipodomys stephensi	Stephens' kangaroo rat	526	CT	FE			
Mammal	Dipodomys venustus elephantinus	big-eared kangaroo rat	26			X		
Mammal	Enhydra lutris nereis	southern sea otter	3		FT		X	
Mammal	Euderma maculatum	spotted bat	379			X		
Mammal	Eumetopias jubatus	Steller (=northern) sea-lion	6		FT			
Mammal	Eumops perotis californicus	western mastiff bat	986			X		
Mammal	Glaucomys sabrinus californicus	San Bernardino flying squirrel	55			X		
Mammal	Gulo gulo	California wolverine	532	CT			X	
Mammal	Lasiurus blossevillii	western red bat	406			X		
Mammal	Lasiurus xanthinus	western yellow bat	330			X		

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Mammal	<i>Lepus americanus klamathensis</i>	Oregon snowshoe hare	24			X		
Mammal	<i>Lepus americanus tahoensis</i>	Sierra Nevada snowshoe hare	93			X		
Mammal	<i>Lepus californicus bennettii</i>	San Diego black-tailed jackrabbit	262			X		
Mammal	<i>Lepus townsendii townsendii</i>	western white-tailed jackrabbit	132			X		
Mammal	<i>Lontra canadensis sonora</i>	southwestern river otter	11			X		
Mammal	<i>Macrotus californicus</i>	California leaf-nosed bat	205			X		
Mammal	<i>Martes americana humboldtensis</i>	Humboldt marten	228			X		
Mammal	<i>Microtus californicus mohavensis</i>	Mohave river vole	25			X		
Mammal	<i>Microtus californicus sanpabloensis</i>	San Pablo vole	11			X		
Mammal	<i>Microtus californicus scirpensis</i>	Amargosa vole	9	CE	FE			
Mammal	<i>Microtus californicus stephensi</i>	south coast marsh vole	33			X		
Mammal	<i>Microtus californicus vallicola</i>	Owens Valley vole	79			X		
Mammal	<i>Myotis occultus</i>	Arizona Myotis	14			X		
Mammal	<i>Myotis velifer</i>	cave myotis	113			X		
Mammal	<i>Neotoma fuscipes annectens</i>	San Francisco dusky-footed woodrat	249			X		
Mammal	<i>Neotoma fuscipes riparia</i>	riparian (=San Joaquin Valley) woodrat	16		FE	X		
Mammal	<i>Neotoma lepida intermedia</i>	San Diego desert woodrat	377			X		
Mammal	<i>Neotoma macrotis luciana</i>	Monterey dusky-footed woodrat	166			X		
Mammal	<i>Nyctinomops femorosaccus</i>	pocketed free-tailed bat	348			X		
Mammal	<i>Nyctinomops macrotis</i>	big free-tailed bat	174			X		
Mammal	<i>Onychomys torridus Ramona</i>	southern grasshopper mouse	217			X		
Mammal	<i>Onychomys torridus tularensis</i>	Tulare grasshopper mouse	324			X		
Mammal	<i>Ovis canadensis nelsoni</i> DPS	peninsular bighorn sheep	309	CT	FE		X	
Mammal	<i>Ovis canadensis sierrae</i>	Sierra Nevada bighorn sheep	230	CE	FE		X	
Mammal	<i>Perognathus alticolus alticolus</i>	white-eared pocket mouse	4			X		
Mammal	<i>Perognathus alticolus inexpectatus</i>	Tehachapi pocket mouse	70			X		
Mammal	<i>Perognathus inornatus psammophilus</i>	Salinas pocket mouse	25			X		
Mammal	<i>Perognathus longimembris bangsi</i>	Palm Springs pocket mouse	201			X		
Mammal	<i>Perognathus longimembris brevinasus</i>	Los Angeles pocket mouse	263			X		
Mammal	<i>Perognathus longimembris internationalis</i>	Jacumba pocket mouse	46			X		
Mammal	<i>Perognathus longimembris pacificus</i>	Pacific pocket mouse	62		FE	X		
Mammal	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	366	CE	FE		X	
Mammal	<i>Scapanus latimanus parvus</i>	Alameda Island mole	10			X		

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Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Mammal	<i>Sigmodon arizonae plenus</i>	Colorado River cotton rat	40			X		
Mammal	<i>Sigmodon hispidus eremicus</i>	Yuma hispid cotton rat	33			X		
Mammal	<i>Sorex lyelli</i>	Mount Lyell shrew	71			X		
Mammal	<i>Sorex ornatus relictus</i>	Buena Vista Lake shrew	40		FE	X		
Mammal	<i>Sorex ornatus salarius</i>	Monterey shrew	29			X		
Mammal	<i>Sorex ornatus salicornicus</i>	southern California saltmarsh shrew	42			X		
Mammal	<i>Sorex ornatus sinuosus</i>	Suisun shrew	62			X		
Mammal	<i>Sorex vagrans halicoetes</i>	salt-marsh wandering shrew	136			X		
Mammal	<i>Spermophilus mohavensis</i>	Mohave ground squirrel	871	CT				
Mammal	<i>Spermophilus tereticaudus chlorus</i>	Palm Springs round-tailed ground squirrel	80		FC	X		
Mammal	<i>Sylvilagus bachmani riparius</i>	riparian brush rabbit	15	CE	FE			
Mammal	<i>Taxidea taxus</i>	American badger	1457			X		
Mammal	<i>Vulpes macrotis mutica</i>	San Joaquin kit fox	2460	CT	FE			
Mammal	<i>Vulpes vulpes necator</i>	Sierra Nevada red fox	407	CT				
Mammal	<i>Zapus trinotatus orarius</i>	Point Reyes jumping mouse	46			X		
Plant	<i>Abies amabilis</i>	Pacific silver fir	17					2.3
Plant	<i>Abies bracteata</i>	bristlecone fir	71					1B.3
Plant	<i>Abies lasiocarpa</i> var. <i>lasiocarpa</i>	subalpine fir	32					2.3
Plant	<i>Abronia alpina</i>	Ramshaw Meadows abronia	10		FC			1B.1
Plant	<i>Abronia umbellata</i> ssp. <i>breviflora</i>	pink sand-verbena	122					1B.1
Plant	<i>Abronia villosa</i> var. <i>aurita</i>	chaparral sand-verbena	211					1B.1
Plant	<i>Abutilon parvulum</i>	dwarf abutilon	10					2.3
Plant	<i>Acanthomintha duttonii</i>	San Mateo thorn-mint	12	CE	FE			1B.1
Plant	<i>Acanthomintha ilicifolia</i>	San Diego thorn-mint	142	CE	FT			1B.1
Plant	<i>Acanthoscyphus parishii</i> var. <i>abramsii</i>	Abrams' oxytheca	15					1B.2
Plant	<i>Acanthoscyphus parishii</i> var. <i>cienegensis</i>	Cienega Seca oxytheca	7					1B.3
Plant	<i>Acanthoscyphus parishii</i> var. <i>goodmaniana</i>	Cushenbury oxytheca	47		FE			1B.1
Plant	<i>Achnatherum aridum</i>	Mormon needle grass	80					2.3
Plant	<i>Acleisanthes longiflora</i>	angel trumpets	3					2.3
Plant	<i>Adolphia californica</i>	California adolphia	127					2.1
Plant	<i>Agave shawii</i>	Shaw's agave	14					2.1
Plant	<i>Agave utahensis</i> var. <i>eborispina</i>	ivory-spined agave	11					1B.3
Plant	<i>Ageratina herbacea</i>	desert ageratina	31					2.3

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Ageratina shastensis</i>	Shasta ageratina	49					1B.2
Plant	<i>Agrostis blasdalei</i>	Blasdale's bent grass	106					1B.2
Plant	<i>Agrostis hooveri</i>	Hoover's bent grass	71					1B.2
Plant	<i>Agrostis humilis</i>	mountain bent grass	37					2.3
Plant	<i>Aliciella ripleyi</i>	Ripley's aliciella	65					2.3
Plant	<i>Aliciella triodon</i>	coyote gilia	18					2.2
Plant	<i>Alisma gramineum</i>	grass alisma	41					2.2
Plant	<i>Allium atrorubens</i> var. <i>atrorubens</i>	Great Basin onion	22					2.3
Plant	<i>Allium hickmanii</i>	Hickman's onion	48					1B.2
Plant	<i>Allium howellii</i> var. <i>clokeyi</i>	Mt. Pinos onion	48					1B.3
Plant	<i>Allium jepsonii</i>	Jepson's onion	50					1B.2
Plant	<i>Allium marvinii</i>	Yucaipa onion	3					1B.1
Plant	<i>Allium munzii</i>	Munz's onion	60	CT	FE			1B.1
Plant	<i>Allium nevadense</i>	Nevada onion	8					2.3
Plant	<i>Allium peninsulare</i> var. <i>franciscanum</i>	Franciscan onion	58					1B.2
Plant	<i>Allium sharsmithiae</i>	Sharsmith's onion	28					1B.3
Plant	<i>Allium shevockii</i>	Spanish Needle onion	17					1B.3
Plant	<i>Allium tribracteatum</i>	three-bracted onion	78					1B.2
Plant	<i>Allium tuolumnense</i>	Rawhide Hill onion	38					1B.2
Plant	<i>Allium yosemitense</i>	Yosemite onion	36	CR				1B.3
Plant	<i>Alopecurus aequalis</i> var. <i>sonomensis</i>	Sonoma alopecurus	52		FE			1B.1
Plant	<i>Ambrosia chenopodiifolia</i>	San Diego bur-sage	26					2.1
Plant	<i>Ambrosia monogyra</i>	singlewhorl burrobrush	64					2.2
Plant	<i>Ambrosia pumila</i>	San Diego ambrosia	77		FE			1B.1
Plant	<i>Ammoselinum giganteum</i>	desert sand-parsley	3					2.3
Plant	<i>Amorpha californica</i> var. <i>napensis</i>	Napa false indigo	137					1B.2
Plant	<i>Amsinckia grandiflora</i>	large-flowered fiddleneck	17	CE	FE			1B.1
Plant	<i>Amsinckia lunaris</i>	bent-flowered fiddleneck	164					1B.2
Plant	<i>Ancistrocarphus keilii</i>	Santa Ynez groundstar	8					1B.1
Plant	<i>Androsace filiformis</i>	slender-stemmed androsace	7					2.3
Plant	<i>Androsace occidentalis</i> var. <i>simplex</i>	simple androsace	4					2.3
Plant	<i>Androstephium breviflorum</i>	small-flowered androstephium	99					2.2
Plant	<i>Anisocarpus scabridus</i>	scabrid alpine tarplant	54					1B.3

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Anomobryum julaceum</i>	slender silver moss	49					2.2
Plant	<i>Antennaria lanata</i>	woolly pussy-toes	3					2.2
Plant	<i>Antennaria marginata</i>	white-margined everlasting	8					2.3
Plant	<i>Antirrhinum cyathiferum</i>	Deep Canyon snapdragon	4					2.3
Plant	<i>Aphanisma blitoides</i>	aphanisma	90					1B.2
Plant	<i>Arabis aculeolata</i>	Waldo rock-cress	25					2.2
Plant	<i>Arabis bodiensis</i>	Bodie Hills rock-cress	62					1B.3
Plant	<i>Arabis breweri</i> var. <i>pecuniaria</i>	San Bernardino rock-cress	6					1B.2
Plant	<i>Arabis cobrensis</i>	Masonic rock-cress	20					2.3
Plant	<i>Arabis constancei</i>	Constance's rock-cress	88					1B.1
Plant	<i>Arabis dispar</i>	pinyon rock-cress	83					2.3
Plant	<i>Arabis hirshbergiae</i>	Hirshberg's rock-cress	7					1B.2
Plant	<i>Arabis johnstonii</i>	Johnston's rock-cress	17					1B.2
Plant	<i>Arabis koehleri</i> var. <i>stipitata</i>	Koehler's stipitate rock-cress	53					1B.3
Plant	<i>Arabis macdonaldiana</i>	Mcdonald's rock-cress	72	CE	FE			1B.1
Plant	<i>Arabis parishii</i>	Parish's rock-cress	79					1B.2
Plant	<i>Arabis pinzliae</i>	Pinzl's rock-cress	9					1B.3
Plant	<i>Arabis pulchra</i> var. <i>munciensis</i>	Darwin rock-cress	21					2.3
Plant	<i>Arabis rigidissima</i> var. <i>demota</i>	Galena Creek rock-cress	6					1B.2
Plant	<i>Arabis shockleyi</i>	Shockley's rock-cress	109					2.2
Plant	<i>Arabis tiehmii</i>	Tiehm's rock-cress	16					1B.3
Plant	<i>Arctomecon merriamii</i>	white bear poppy	102					2.2
Plant	<i>Arctostaphylos andersonii</i>	Anderson's manzanita	101					1B.2
Plant	<i>Arctostaphylos auriculata</i>	Mt. Diablo manzanita	32					1B.3
Plant	<i>Arctostaphylos bakeri</i> ssp. <i>bakeri</i>	Baker's manzanita	18	CR				1B.1
Plant	<i>Arctostaphylos bakeri</i> ssp. <i>sublaevis</i>	The Cedars manzanita	25	CR				1B.2
Plant	<i>Arctostaphylos canescens</i> ssp. <i>sonomensis</i>	Sonoma canescent manzanita	92					1B.2
Plant	<i>Arctostaphylos cruzensis</i>	Arroyo de la Cruz manzanita	41					1B.2
Plant	<i>Arctostaphylos densiflora</i>	Vine Hill manzanita	6	CE				1B.1
Plant	<i>Arctostaphylos edmundsii</i>	Little Sur manzanita	19					1B.2
Plant	<i>Arctostaphylos gabilanensis</i>	Gabilan Mountains manzanita	8					1B.2
Plant	<i>Arctostaphylos gabrielensis</i>	San Gabriel manzanita	4					1B.2
Plant	<i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i>	Del Mar manzanita	79		FE			1B.1

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Arctostaphylos glutinosa</i>	Schreiber's manzanita	13					1B.2
Plant	<i>Arctostaphylos hookeri</i> ssp. <i>hearthiorum</i>	Hearst's manzanita	12	CE				1B.2
Plant	<i>Arctostaphylos hookeri</i> ssp. <i>hookeri</i>	Hooker's manzanita	66					1B.2
Plant	<i>Arctostaphylos hookeri</i> ssp. <i>montana</i>	Mt. Tamalpais manzanita	26					1B.3
Plant	<i>Arctostaphylos hookeri</i> ssp. <i>ravenii</i>	Presidio manzanita	4	CE	FE			1B.1
Plant	<i>Arctostaphylos imbricata</i>	San Bruno Mountain manzanita	6	CE				1B.1
Plant	<i>Arctostaphylos klamathensis</i>	Klamath manzanita	73					1B.2
Plant	<i>Arctostaphylos luciana</i>	Santa Lucia manzanita	23					1B.2
Plant	<i>Arctostaphylos manzanita</i> ssp. <i>elegans</i>	Konocti manzanita	103					1B.3
Plant	<i>Arctostaphylos manzanita</i> ssp. <i>laevigata</i>	Contra Costa manzanita	23					1B.2
Plant	<i>Arctostaphylos mendocinoensis</i>	pygmy manzanita	4					1B.2
Plant	<i>Arctostaphylos montaraensis</i>	Montara manzanita	14					1B.2
Plant	<i>Arctostaphylos montereyensis</i>	Toro manzanita	53					1B.2
Plant	<i>Arctostaphylos morroensis</i>	Morro manzanita	19		FT			1B.1
Plant	<i>Arctostaphylos myrtifolia</i>	Ione manzanita	46		FT			1B.2
Plant	<i>Arctostaphylos nissenana</i>	Nissenan manzanita	37					1B.2
Plant	<i>Arctostaphylos ohloneana</i>	Ohlone manzanita	7					1B.1
Plant	<i>Arctostaphylos osoensis</i>	Oso manzanita	8					1B.2
Plant	<i>Arctostaphylos otayensis</i>	Otay manzanita	37					1B.2
Plant	<i>Arctostaphylos pacifica</i>	Pacific manzanita	4	CE				1B.2
Plant	<i>Arctostaphylos pajaroensis</i>	Pajaro manzanita	43					1B.1
Plant	<i>Arctostaphylos pallida</i>	pallid manzanita	17	CE	FT			1B.1
Plant	<i>Arctostaphylos pechoensis</i>	Pecho manzanita	31					1B.2
Plant	<i>Arctostaphylos pilosula</i>	Santa Margarita manzanita	42					1B.2
Plant	<i>Arctostaphylos pumila</i>	sandmat manzanita	51					1B.2
Plant	<i>Arctostaphylos purissima</i>	La Purisima manzanita	84					1B.1
Plant	<i>Arctostaphylos rainbowensis</i>	Rainbow manzanita	103					1B.1
Plant	<i>Arctostaphylos refugioensis</i>	Refugio manzanita	12					1B.2
Plant	<i>Arctostaphylos regismontana</i>	Kings Mountain manzanita	34					1B.2
Plant	<i>Arctostaphylos rudis</i>	sand mesa manzanita	96					1B.2
Plant	<i>Arctostaphylos silvicola</i>	Bonny Doon manzanita	30					1B.2
Plant	<i>Arctostaphylos stanfordiana</i> ssp. <i>decumbens</i>	Rincon Ridge manzanita	26					1B.1
Plant	<i>Arctostaphylos stanfordiana</i> ssp. <i>raichei</i>	Raiche's manzanita	12					1B.1

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Arctostaphylos tomentosa</i> ssp. <i>daciticola</i>	dacite manzanita	3					1B.1
Plant	<i>Arctostaphylos tomentosa</i> ssp. <i>eastwoodiana</i>	Eastwood's brittle-leaf manzanita	10					1B.1
Plant	<i>Arctostaphylos virgata</i>	Marin manzanita	45					1B.2
Plant	<i>Arctostaphylos wellsii</i>	Wells' manzanita	62					1B.1
Plant	<i>Arenaria congesta</i> var. <i>charlestonensis</i>	Charleston sandwort	4					1B.3
Plant	<i>Arenaria lanuginosa</i> ssp. <i>saxosa</i>	rock sandwort	18					2.3
Plant	<i>Arenaria macradenia</i> var. <i>kuschei</i>	Kusche's sandwort	12					1B.1
Plant	<i>Arenaria paludicola</i>	marsh sandwort	8	CE	FE			1B.1
Plant	<i>Arenaria ursina</i>	Big Bear Valley sandwort	56		FT			1B.2
Plant	<i>Argyrochosma limitanea</i> var. <i>limitanea</i>	southwestern false cloak-fern	4					2.3
Plant	<i>Aristocapsa insignis</i>	Indian Valley spineflower	16					1B.2
Plant	<i>Arnica fulgens</i>	hillside arnica	97					2.2
Plant	<i>Asarum marmoratum</i>	marbled wild-ginger	32					2.3
Plant	<i>Asclepias nyctaginifolia</i>	Mojave milkweed	33					2.1
Plant	<i>Asplenium septentrionale</i>	northern spleenwort	26					2.3
Plant	<i>Asplenium trichomanes</i> ssp. <i>trichomanes</i>	maidenhair spleenwort	4					2.3
Plant	<i>Asplenium trichomanes-ramosum</i>	green spleenwort	4					2.3
Plant	<i>Astragalus agnicidus</i>	Humboldt milk-vetch	118	CE				1B.1
Plant	<i>Astragalus agrestis</i>	field milk-vetch	32					2.2
Plant	<i>Astragalus albens</i>	Cushenbury milk-vetch	34		FE			1B.1
Plant	<i>Astragalus allochrous</i> var. <i>playanus</i>	playa milk-vetch	7					2.2
Plant	<i>Astragalus anxius</i>	Ash Valley milk-vetch	18					1B.3
Plant	<i>Astragalus argophyllus</i> var. <i>argophyllus</i>	silver-leaved milk-vetch	23					2.2
Plant	<i>Astragalus atratus</i> var. <i>mensanus</i>	Darwin Mesa milk-vetch	18					1B.1
Plant	<i>Astragalus brauntonii</i>	Braunton's milk-vetch	53		FE			1B.1
Plant	<i>Astragalus cimae</i> var. <i>cimae</i>	Cima milk-vetch	43					1B.2
Plant	<i>Astragalus cimae</i> var. <i>sufflatus</i>	inflated Cima milk-vetch	28					1B.3
Plant	<i>Astragalus claranus</i>	Clara Hunt's milk-vetch	18	CT	FE			1B.1
Plant	<i>Astragalus deanei</i>	Dean's milk-vetch	51					1B.1
Plant	<i>Astragalus didymocarpus</i> var. <i>milesianus</i>	Miles' milk-vetch	71					1B.2
Plant	<i>Astragalus douglasii</i> var. <i>perstrictus</i>	Jacumba milk-vetch	101					1B.2
Plant	<i>Astragalus erterrae</i>	Walker Pass milk-vetch	8					1B.3
Plant	<i>Astragalus funereus</i>	black milk-vetch	18					1B.2

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Astragalus geyeri</i> var. <i>geyeri</i>	Geyer's milk-vetch	51					2.2
Plant	<i>Astragalus gilmanii</i>	Gilman's milk-vetch	21					1B.2
Plant	<i>Astragalus hornii</i> var. <i>hornii</i>	Horn's milk-vetch	48					1B.1
Plant	<i>Astragalus insularis</i> var. <i>harwoodii</i>	Harwood's milk-vetch	61					2.2
Plant	<i>Astragalus jaegerianus</i>	Lane Mountain milk-vetch	24		FE			1B.1
Plant	<i>Astragalus johannis-howellii</i>	Long Valley milk-vetch	51	CR				1B.2
Plant	<i>Astragalus kentrophyta</i> var. <i>elatus</i>	spiny-leaved milk-vetch	19					2.2
Plant	<i>Astragalus kentrophyta</i> var. <i>ungulatus</i>	spiny milk-vetch	4					2.2
Plant	<i>Astragalus lemmonii</i>	Lemmon's milk-vetch	56					1B.2
Plant	<i>Astragalus lentiformis</i>	lens-pod milk-vetch	88					1B.2
Plant	<i>Astragalus lentiginosus</i> var. <i>antonius</i>	San Antonio milk-vetch	21					1B.3
Plant	<i>Astragalus lentiginosus</i> var. <i>coachellae</i>	Coachella Valley milk-vetch	91		FE			1B.2
Plant	<i>Astragalus lentiginosus</i> var. <i>kernensis</i>	Kern Plateau milk-vetch	66					1B.2
Plant	<i>Astragalus lentiginosus</i> var. <i>micans</i>	shining milk-vetch	14					1B.2
Plant	<i>Astragalus lentiginosus</i> var. <i>piscinensis</i>	Fish Slough milk-vetch	13		FT			1B.1
Plant	<i>Astragalus lentiginosus</i> var. <i>sesquimetalis</i>	Sodaville milk-vetch	4	CE				1B.1
Plant	<i>Astragalus lentiginosus</i> var. <i>sierrae</i>	Big Bear Valley milk-vetch	46					1B.2
Plant	<i>Astragalus leucolobus</i>	Big Bear Valley woollypod	104					1B.2
Plant	<i>Astragalus magdalenae</i> var. <i>peirsonii</i>	Peirson's milk-vetch	128	CE	FT			1B.2
Plant	<i>Astragalus mohavensis</i> var. <i>hemigyryus</i>	curved-pod milk-vetch	6					1A
Plant	<i>Astragalus monoensis</i>	Mono milk-vetch	62	CR				1B.2
Plant	<i>Astragalus oocarpus</i>	San Diego milk-vetch	134					1B.2
Plant	<i>Astragalus oophorus</i> var. <i>lavinii</i>	Lavin's milk-vetch	4					1B.2
Plant	<i>Astragalus pachypus</i> var. <i>jaegeri</i>	Jaeger's milk-vetch	62					1B.1
Plant	<i>Astragalus platytropis</i>	broad-keeled milk-vetch	40					2.2
Plant	<i>Astragalus preussii</i> var. <i>laxiflorus</i>	Lancaster milk-vetch	10					1B.1
Plant	<i>Astragalus preussii</i> var. <i>preussii</i>	Preuss' milk-vetch	7					2.3
Plant	<i>Astragalus pseudiodanthus</i>	Tonopah milk-vetch	18					1B.2
Plant	<i>Astragalus pulsiferae</i> var. <i>pulsiferae</i>	Pulsifer's milk-vetch	61					1B.2
Plant	<i>Astragalus pulsiferae</i> var. <i>suksdorfii</i>	Suksdorf's milk-vetch	46					1B.2
Plant	<i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i>	Ventura Marsh milk-vetch	13	CE	FE			1B.1
Plant	<i>Astragalus pycnostachyus</i> var. <i>pycnostachyus</i>	coastal marsh milk-vetch	49					1B.2
Plant	<i>Astragalus rattanii</i> var. <i>jepsonianus</i>	Jepson's milk-vetch	87					1B.2

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Astragalus ravenii</i>	Raven's milk-vetch	11					1B.3
Plant	<i>Astragalus serenoii</i> var. <i>shockleyi</i>	Shockley's milk-vetch	51					2.2
Plant	<i>Astragalus shevockii</i>	Shevock's milk-vetch	15					1B.3
Plant	<i>Astragalus tener</i> var. <i>ferrisiae</i>	Ferris' milk-vetch	28					1B.1
Plant	<i>Astragalus tener</i> var. <i>tener</i>	alkali milk-vetch	79					1B.2
Plant	<i>Astragalus tener</i> var. <i>titi</i>	coastal dunes milk-vetch	11	CE	FE			1B.1
Plant	<i>Astragalus tidestromii</i>	Tidestrom's milk-vetch	43					2.2
Plant	<i>Astragalus tricarinatus</i>	triple-ribbed milk-vetch	39		FE			1B.2
Plant	<i>Astragalus umbraticus</i>	Bald Mountain milk-vetch	53					2.3
Plant	<i>Astragalus webberi</i>	Webber's milk-vetch	26					1B.2
Plant	<i>Astroblepis cochisensis</i> ssp. <i>cochisensis</i>	scaly cloak fern	13					2.3
Plant	<i>Atriplex argentea</i> var. <i>hillmanii</i>	Hillman's silverscale	12					2.2
Plant	<i>Atriplex cordulata</i>	heartscale	214					1B.2
Plant	<i>Atriplex coronata</i> var. <i>notatior</i>	San Jacinto Valley crownscale	35		FE			1B.1
Plant	<i>Atriplex coulteri</i>	Coulter's saltbush	122					1B.2
Plant	<i>Atriplex depressa</i>	brittlescale	162					1B.2
Plant	<i>Atriplex erecticaulis</i>	Earlimart orache	77					1B.2
Plant	<i>Atriplex gardneri</i> var. <i>falcata</i>	falcate saltbush	18					2.2
Plant	<i>Atriplex joaquiniana</i>	San Joaquin spearscale	226					1B.2
Plant	<i>Atriplex minuscula</i>	lesser saltscale	104					1B.1
Plant	<i>Atriplex pacifica</i>	South Coast saltscale	99					1B.2
Plant	<i>Atriplex parishii</i>	Parish's brittlescale	37					1B.1
Plant	<i>Atriplex persistens</i>	vernal pool smallscale	74					1B.2
Plant	<i>Atriplex serenana</i> var. <i> davidsonii</i>	Davidson's saltscale	66					1B.2
Plant	<i>Atriplex subtilis</i>	subtle orache	85					1B.2
Plant	<i>Atriplex vallicola</i>	Lost Hills crownscale	165					1B.2
Plant	<i>Ayenia compacta</i>	California ayenia	140					2.3
Plant	<i>Baccharis malibuensis</i>	Malibu baccharis	14					1B.1
Plant	<i>Baccharis plummerae</i> ssp. <i>glabrata</i>	San Simeon baccharis	11					1B.2
Plant	<i>Baccharis vanessae</i>	Encinitas baccharis	46	CE	FT			1B.1
Plant	<i>Balsamorhiza lanata</i>	woolly balsamroot	93					1B.2
Plant	<i>Balsamorhiza macrolepis</i> var. <i>macrolepis</i>	big-scale balsamroot	66					1B.2
Plant	<i>Balsamorhiza sericea</i>	silky balsamroot	19					1B.3

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Balsamorhiza serrata</i>	serrated balsamroot	11					2.3
Plant	<i>Bensoniella oregona</i>	bensoniella	20	CR				1B.1
Plant	<i>Berberis harrisoniana</i>	Kofa barberry	4					1B.2
Plant	<i>Berberis nevinii</i>	Nevin's barberry	71	CE	FE			1B.1
Plant	<i>Bergerocactus emoryi</i>	golden-spined cereus	36					2.2
Plant	<i>Betula glandulosa</i>	dwarf resin birch	70					2.2
Plant	<i>Blennosperma bakeri</i>	Sonoma sunshine	36	CE	FE			1B.1
Plant	<i>Blennosperma nanum</i> var. <i>robustum</i>	Point Reyes blennosperma	33	CR				1B.2
Plant	<i>Blepharidachne kingii</i>	King's eyelash grass	52					2.3
Plant	<i>Blepharizonia plumosa</i>	big tarplant	89					1B.1
Plant	<i>Bloomeria clevelandii</i>	San Diego goldenstar	144					1B.1
Plant	<i>Bloomeria humilis</i>	dwarf goldenstar	9	CR				1B.2
Plant	<i>Boechera pendulina</i>	rabbit-ear rockcress	6					2.3
Plant	<i>Boechera yorkii</i>	Last Chance rockcress	4					1B.3
Plant	<i>Boschniakia hookeri</i>	small groundcone	48					2.3
Plant	<i>Botrychium ascendens</i>	upswept moonwort	59					2.3
Plant	<i>Botrychium crenulatum</i>	scalloped moonwort	125					2.2
Plant	<i>Botrychium lineare</i>	slender moonwort	4					1B.3
Plant	<i>Botrychium lunaria</i>	common moonwort	22					2.3
Plant	<i>Botrychium minganense</i>	mingan moonwort	79					2.2
Plant	<i>Botrychium montanum</i>	western goblin	66					2.1
Plant	<i>Botrychium pinnatum</i>	northwestern moonwort	17					2.3
Plant	<i>Botrychium pumicola</i>	pumice moonwort	4					2.2
Plant	<i>Botrychium virginianum</i>	rattlesnake fern	27					2.2
Plant	<i>Bouteloua trifida</i>	three-awned grama	50					2.3
Plant	<i>Brodiaea californica</i> var. <i>leptandra</i>	narrow-anthered California brodiaea	94					1B.2
Plant	<i>Brodiaea coronaria</i> ssp. <i>rosea</i>	Indian Valley brodiaea	34	CE				1B.1
Plant	<i>Brodiaea filifolia</i>	thread-leaved brodiaea	160	CE	FT			1B.1
Plant	<i>Brodiaea insignis</i>	Kaweah brodiaea	52	CE				1B.2
Plant	<i>Brodiaea orcuttii</i>	Orcutt's brodiaea	223					1B.1
Plant	<i>Brodiaea pallida</i>	Chinese Camp brodiaea	13	CE	FT			1B.1
Plant	<i>Bruchia bolanderi</i>	Bolander's bruchia	79					2.2
Plant	<i>Bursera microphylla</i>	little-leaf elephant tree	42					2.3

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Calamagrostis crassiglumis</i>	Thurber's reed grass	22					2.1
Plant	<i>California macrophylla</i>	round-leaved filaree	393					1B.1
Plant	<i>Calliandra eriophylla</i>	pink fairy-duster	114					2.3
Plant	<i>Callitropsis abramsiana</i>	Santa Cruz cypress	26	CE	FE			1B.2
Plant	<i>Callitropsis forbesii</i>	Tecate cypress	87					1B.1
Plant	<i>Callitropsis goveniana</i>	Gowen cypress	12		FT			1B.2
Plant	<i>Callitropsis macrocarpa</i>	Monterey cypress	9					1B.2
Plant	<i>Callitropsis nevadensis</i>	Piute cypress	56					1B.2
Plant	<i>Callitropsis pygmaea</i>	pygmy cypress	67					1B.2
Plant	<i>Callitropsis stephensonii</i>	Cuyamaca cypress	15					1B.1
Plant	<i>Calochortus clavatus</i> var. <i>avius</i>	Pleasant Valley mariposa-lily	130					1B.2
Plant	<i>Calochortus clavatus</i> var. <i>gracilis</i>	slender mariposa-lily	91					1B.2
Plant	<i>Calochortus clavatus</i> var. <i>recurvifolius</i>	Arroyo de la Cruz mariposa-lily	8					1B.2
Plant	<i>Calochortus dunnii</i>	Dunn's mariposa-lily	79	CR				1B.2
Plant	<i>Calochortus excavatus</i>	Inyo County star-tulip	131					1B.1
Plant	<i>Calochortus greenei</i>	Greene's mariposa-lily	90					1B.2
Plant	<i>Calochortus longebarbatus</i> var. <i>longebarbatus</i>	long-haired star-tulip	173					1B.2
Plant	<i>Calochortus monanthus</i>	single-flowered mariposa-lily	8					1A
Plant	<i>Calochortus obispoensis</i>	La Panza mariposa-lily	62					1B.2
Plant	<i>Calochortus palmeri</i> var. <i>munzii</i>	San Jacinto mariposa-lily	10					1B.2
Plant	<i>Calochortus palmeri</i> var. <i>palmeri</i>	Palmer's mariposa-lily	112					1B.2
Plant	<i>Calochortus persistens</i>	Siskiyou mariposa-lily	17	CR	FC			1B.2
Plant	<i>Calochortus plummerae</i>	Plummer's mariposa-lily	292					1B.2
Plant	<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern	53					1B.2
Plant	<i>Calochortus raichei</i>	The Cedars fairy-lantern	18					1B.2
Plant	<i>Calochortus simulans</i>	San Luis Obispo mariposa-lily	75					1B.3
Plant	<i>Calochortus striatus</i>	alkali mariposa-lily	167					1B.2
Plant	<i>Calochortus syntrophus</i>	Callahan's mariposa-lily	8					1B.1
Plant	<i>Calochortus tiburonensis</i>	Tiburon mariposa-lily	5	CT	FT			1B.1
Plant	<i>Calochortus weedii</i> var. <i>intermedius</i>	intermediate mariposa-lily	137					1B.2
Plant	<i>Calochortus weedii</i> var. <i>vestus</i>	late-flowered mariposa-lily	110					1B.2
Plant	<i>Calochortus westonii</i>	Shirley Meadows star-tulip	53					1B.2
Plant	<i>Calycadenia hooveri</i>	Hoover's calycadenia	67					1B.3

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Calycadenia micrantha</i>	small-flowered calycadenia	53					1B.2
Plant	<i>Calycadenia villosa</i>	dwarf calycadenia	110					1B.1
Plant	<i>Calyptridium parryi</i> var. <i>hesseae</i>	Santa Cruz Mountains pussypaws	43					1B.1
Plant	<i>Calyptridium pulchellum</i>	Mariposa pussypaws	21		FT			1B.1
Plant	<i>Calyptridium pygmaeum</i>	pygmy pussypaws	26					1B.2
Plant	<i>Calystegia collina</i> ssp. <i>tridactylosa</i>	coast range bindweed	12					1B.2
Plant	<i>Calystegia purpurata</i> ssp. <i>saxicola</i>	coastal bluff morning-glory	82					1B.2
Plant	<i>Calystegia sepium</i> ssp. <i>binghamiae</i>	Santa Barbara morning-glory	12					1A
Plant	<i>Calystegia stebbinsii</i>	Stebbins' morning-glory	27	CE	FE			1B.1
Plant	<i>Calystegia subacaulis</i> ssp. <i>episcopalis</i>	Cambria morning-glory	70					1B.2
Plant	<i>Camissonia arenaria</i>	sand evening-primrose	38					2.2
Plant	<i>Camissonia benitensis</i>	San Benito evening-primrose	39		FT			1B.1
Plant	<i>Camissonia boothii</i> ssp. <i>boothii</i>	Booth's evening-primrose	40					2.3
Plant	<i>Camissonia boothii</i> ssp. <i>intermedia</i>	Booth's hairy evening-primrose	56					2.3
Plant	<i>Camissonia claviformis</i> ssp. <i>cruciformis</i>	cruciform evening-primrose	58					2.3
Plant	<i>Camissonia hardhamiae</i>	Hardham's evening-primrose	35					1B.2
Plant	<i>Camissonia integrifolia</i>	Kern River evening-primrose	14					1B.3
Plant	<i>Camissonia minor</i>	Nelson's evening-primrose	47					2.3
Plant	<i>Camissonia sierrae</i> ssp. <i>alticola</i>	Mono Hot Springs evening-primrose	54					1B.2
Plant	<i>Campanula californica</i>	swamp harebell	186					1B.2
Plant	<i>Campanula exigua</i>	chaparral harebell	87					1B.2
Plant	<i>Campanula sharsmithiae</i>	Sharsmith's harebell	12					1B.2
Plant	<i>Campanula shetleri</i>	Castle Crags harebell	16					1B.3
Plant	<i>Campanula wilkinsiana</i>	Wilkins' harebell	44					1B.2
Plant	<i>Campylopodiella stenocarpa</i>	flagella-like atractylocarpus	12					2.2
Plant	<i>Cardamine nuttallii</i> var. <i>gemma</i>	yellow-tubered toothwort	35					1B.3
Plant	<i>Carex albida</i>	white sedge	5	CE	FE			1B.1
Plant	<i>Carex arcta</i>	northern clustered sedge	39					2.2
Plant	<i>Carex atherodes</i>	wheat sedge	4					2.2
Plant	<i>Carex californica</i>	California sedge	48					2.3
Plant	<i>Carex comosa</i>	bristly sedge	29					2.1
Plant	<i>Carex constanceana</i>	Constance's sedge	4					1B.1
Plant	<i>Carex eleocharis</i>	spikerush sedge	20					2.3

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Carex halliana</i>	Oregon sedge	20					2.3
Plant	<i>Carex hystericina</i>	porcupine sedge	4					2.1
Plant	<i>Carex klamathensis</i>	Klamath sedge	7					1B.2
Plant	<i>Carex lasiocarpa</i>	woolly-fruited sedge	44					2.3
Plant	<i>Carex lenticularis</i> var. <i>limnophila</i>	lagoon sedge	22					2.2
Plant	<i>Carex leptalea</i>	bristle-stalked sedge	20					2.2
Plant	<i>Carex limosa</i>	mud sedge	110					2.2
Plant	<i>Carex lyngbyei</i>	Lyngbye's sedge	80					2.2
Plant	<i>Carex obispoensis</i>	San Luis Obispo sedge	72					1B.2
Plant	<i>Carex occidentalis</i>	western sedge	36					2.3
Plant	<i>Carex parryana</i> var. <i>hallii</i>	Parry's sedge	7					2.3
Plant	<i>Carex petasata</i>	Liddon's sedge	35					2.3
Plant	<i>Carex praticola</i>	northern meadow sedge	39					2.2
Plant	<i>Carex saliniformis</i>	deceiving sedge	48					1B.2
Plant	<i>Carex scirpoidea</i> ssp. <i>pseudoscirpoidea</i>	western single-spiked sedge	14					2.2
Plant	<i>Carex scoparia</i>	pointed broom sedge	4					2.2
Plant	<i>Carex serpenticola</i>	serpentine sedge	41					2.3
Plant	<i>Carex sheldonii</i>	Sheldon's sedge	111					2.2
Plant	<i>Carex tiogana</i>	Tioga Pass sedge	10					1B.3
Plant	<i>Carex vallicola</i>	western valley sedge	16					2.3
Plant	<i>Carex viridula</i> var. <i>viridula</i>	green yellow sedge	30					2.3
Plant	<i>Carex vulpinoidea</i>	brown fox sedge	62					2.2
Plant	<i>Carlwrightia arizonica</i>	Arizona carlwrightia	9					2.2
Plant	<i>Carlquistia muirii</i>	Muir's tarplant	56					1B.3
Plant	<i>Carnegiea gigantea</i>	saguaro	42					2.2
Plant	<i>Carpenteria californica</i>	tree-anemone	70	CT				1B.2
Plant	<i>Castela emoryi</i>	Emory's crucifixion-thorn	111					2.3
Plant	<i>Castilleja affinis</i> ssp. <i>litoralis</i>	Oregon coast paintbrush	93					2.2
Plant	<i>Castilleja affinis</i> ssp. <i>neglecta</i>	Tiburon paintbrush	27	CT	FE			1B.2
Plant	<i>Castilleja ambigua</i> ssp. <i>humboldtensis</i>	Humboldt Bay owl's-clover	75					1B.2
Plant	<i>Castilleja campestris</i> ssp. <i>succulenta</i>	succulent owl's-clover	167	CE	FT			1B.2
Plant	<i>Castilleja cinerea</i>	ash-gray paintbrush	60		FT			1B.2
Plant	<i>Castilleja densiflora</i> ssp. <i>obispoensis</i>	San Luis Obispo owl's-clover	121					1B.2

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Castilleja gleasonii</i>	Mt. Gleason paintbrush	20	CR				1B.2
Plant	<i>Castilleja lasiorhyncha</i>	San Bernardino Mountains owl's-clover	88					1B.2
Plant	<i>Castilleja mendocinensis</i>	Mendocino Coast paintbrush	82					1B.2
Plant	<i>Castilleja miniata</i> ssp. <i>elata</i>	Siskiyou paintbrush	75					2.2
Plant	<i>Castilleja rubicundula</i> ssp. <i>rubicundula</i>	pink creamsacs	72					1B.2
Plant	<i>Caulanthus amplexicaulis</i> var. <i>barbarae</i>	Santa Barbara jewel-flower	14					1B.1
Plant	<i>Caulanthus californicus</i>	California jewel-flower	61	CE	FE			1B.1
Plant	<i>Caulanthus coulteri</i> var. <i>lemmonii</i>	Lemmon's jewelflower	231					1B.2
Plant	<i>Caulostramina jaegeri</i>	Jaeger's caulostramina	16					1B.2
Plant	<i>Ceanothus confusus</i>	Rincon Ridge ceanothus	78					1B.1
Plant	<i>Ceanothus cyaneus</i>	Lakeside ceanothus	71					1B.2
Plant	<i>Ceanothus divergens</i>	Calistoga ceanothus	64					1B.2
Plant	<i>Ceanothus ferrisiae</i>	Coyote ceanothus	15		FE			1B.1
Plant	<i>Ceanothus foliosus</i> var. <i>vineatus</i>	Vine Hill ceanothus	7					1B.1
Plant	<i>Ceanothus gloriosus</i> var. <i>porrectus</i>	Mt. Vision ceanothus	29					1B.3
Plant	<i>Ceanothus hearstiorum</i>	Hearst's ceanothus	14	CR				1B.2
Plant	<i>Ceanothus maritimus</i>	maritime ceanothus	13	CR				1B.2
Plant	<i>Ceanothus masonii</i>	Mason's ceanothus	18	CR				1B.2
Plant	<i>Ceanothus ophiochilus</i>	Vail Lake ceanothus	9	CE	FT			1B.1
Plant	<i>Ceanothus otayensis</i>	Otay Mountain ceanothus	19					1B.2
Plant	<i>Ceanothus purpureus</i>	holly-leaved ceanothus	67					1B.2
Plant	<i>Ceanothus roderickii</i>	Pine Hill ceanothus	23	CR	FE			1B.2
Plant	<i>Ceanothus sonomensis</i>	Sonoma ceanothus	40					1B.2
Plant	<i>Ceanothus verrucosus</i>	wart-stemmed ceanothus	144					2.2
Plant	<i>Centromadia parryi</i> ssp. <i>australis</i>	southern tarplant	156					1B.1
Plant	<i>Centromadia parryi</i> ssp. <i>congdonii</i>	Congdon's tarplant	161					1B.2
Plant	<i>Centromadia parryi</i> ssp. <i>parryi</i>	pappose tarplant	72					1B.2
Plant	<i>Centromadia pungens</i> ssp. <i>laevis</i>	smooth tarplant	173					1B.1
Plant	<i>Chaenactis carphoclinia</i> var. <i>peirsonii</i>	Peirson's pincushion	14					1B.3
Plant	<i>Chaenactis douglasii</i> var. <i>alpina</i>	alpine dusty maidens	38					2.3
Plant	<i>Chaenactis glabriuscula</i> var. <i>orcuttiana</i>	Orcutt's pincushion	59					1B.1
Plant	<i>Chaenactis parishii</i>	Parish's chaenactis	65					1B.3
Plant	<i>Chaenactis suffrutescens</i>	Shasta chaenactis	66					1B.3

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Chaetadelpa wheeleri</i>	Wheeler's dune-broom	46					2.2
Plant	<i>Chamaesyce abramsiana</i>	Abrams' spurge	35					2.2
Plant	<i>Chamaesyce arizonica</i>	Arizona spurge	19					2.3
Plant	<i>Chamaesyce hooveri</i>	Hoover's spurge	66		FT			1B.2
Plant	<i>Chamaesyce ocellata</i> ssp. <i>rattanii</i>	Stony Creek spurge	72					1B.2
Plant	<i>Chamaesyce parryi</i>	Parry's spurge	16					2.3
Plant	<i>Chamaesyce platysperma</i>	flat-seeded spurge	15					1B.2
Plant	<i>Cheilanthes wootonii</i>	Wooton's lace fern	7					2.3
Plant	<i>Chlorogalum grandiflorum</i>	Red Hills soaproot	127					1B.2
Plant	<i>Chlorogalum pomeridianum</i> var. <i>minus</i>	dwarf soaproot	53					1B.2
Plant	<i>Chlorogalum purpureum</i> var. <i>purpureum</i>	purple amole	31		FT			1B.1
Plant	<i>Chlorogalum purpureum</i> var. <i>reductum</i>	Camatta Canyon amole	8	CR	FT			1B.1
Plant	<i>Chorizanthe biloba</i> var. <i>immemora</i>	Hernandez spineflower	26					1B.2
Plant	<i>Chorizanthe blakleyi</i>	Blakley's spineflower	33					1B.3
Plant	<i>Chorizanthe breweri</i>	Brewer's spineflower	67					1B.3
Plant	<i>Chorizanthe cuspidata</i> var. <i>cuspidata</i>	San Francisco Bay spineflower	42					1B.2
Plant	<i>Chorizanthe cuspidata</i> var. <i>villosa</i>	woolly-headed spineflower	31					1B.2
Plant	<i>Chorizanthe howellii</i>	Howell's spineflower	16	CT	FE			1B.2
Plant	<i>Chorizanthe orcuttiana</i>	Orcutt's spineflower	15	CE	FE			1B.1
Plant	<i>Chorizanthe parryi</i> var. <i>fernandina</i>	San Fernando Valley spineflower	21	CE	FC			1B.1
Plant	<i>Chorizanthe parryi</i> var. <i>parryi</i>	Parry's spineflower	246					1B.1
Plant	<i>Chorizanthe polygonoides</i> var. <i>longispina</i>	long-spined spineflower	206					1B.2
Plant	<i>Chorizanthe pungens</i> var. <i>hartwegiana</i>	Ben Lomond spineflower	39		FE			1B.1
Plant	<i>Chorizanthe pungens</i> var. <i>pungens</i>	Monterey spineflower	113		FT			1B.2
Plant	<i>Chorizanthe rectispina</i>	straight-awned spineflower	65					1B.3
Plant	<i>Chorizanthe robusta</i> var. <i>hartwegii</i>	Scotts Valley spineflower	6		FE			1B.1
Plant	<i>Chorizanthe robusta</i> var. <i>robusta</i>	robust spineflower	43		FE			1B.1
Plant	<i>Chorizanthe valida</i>	Sonoma spineflower	7	CE	FE			1B.1
Plant	<i>Chorizanthe xanti</i> var. <i>leucotheca</i>	white-bracted spineflower	66					1B.2
Plant	<i>Chrysothamnus greenei</i>	Greene's rabbitbrush	23					2.3
Plant	<i>Cicuta maculata</i> var. <i>bolanderi</i>	Bolander's water-hemlock	50					2.1
Plant	<i>Cinna bolanderi</i>	Bolander's woodreed	16					1B.2
Plant	<i>Cirsium andrewsii</i>	Franciscan thistle	53					1B.2

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Cirsium arizonicum</i> var. <i>tenuisectum</i>	desert mountain thistle	13					1B.2
Plant	<i>Cirsium ciliolatum</i>	Ashland thistle	12	CE				2.1
Plant	<i>Cirsium crassicaule</i>	slough thistle	43					1B.1
Plant	<i>Cirsium fontinale</i> var. <i>campylon</i>	Mt. Hamilton fountain thistle	66					1B.2
Plant	<i>Cirsium fontinale</i> var. <i>fontinale</i>	fountain thistle	14	CE	FE			1B.1
Plant	<i>Cirsium fontinale</i> var. <i>obispoense</i>	Chorro Creek bog thistle	35	CE	FE			1B.2
Plant	<i>Cirsium hydrophilum</i> var. <i>hydrophilum</i>	Suisun thistle	10		FE			1B.1
Plant	<i>Cirsium hydrophilum</i> var. <i>vaseyi</i>	Mt. Tamalpais thistle	15					1B.2
Plant	<i>Cirsium loncholepis</i>	La Graciosa thistle	33	CT	FE			1B.1
Plant	<i>Cirsium occidentale</i> var. <i>compactum</i>	compact cobwebby thistle	35					1B.2
Plant	<i>Cirsium praeteriens</i>	lost thistle	3					1A
Plant	<i>Cirsium rhotophilum</i>	surf thistle	46	CT				1B.2
Plant	<i>Cladium californicum</i>	California saw-grass	48					2.2
Plant	<i>Clarkia amoena</i> ssp. <i>whitneyi</i>	Whitney's farewell-to-spring	23					1B.1
Plant	<i>Clarkia australis</i>	Small's southern clarkia	53					1B.2
Plant	<i>Clarkia biloba</i> ssp. <i>australis</i>	Mariposa clarkia	30					1B.2
Plant	<i>Clarkia biloba</i> ssp. <i>brandegeae</i>	Brandegee's clarkia	209					1B.2
Plant	<i>Clarkia borealis</i> ssp. <i>arida</i>	Shasta clarkia	21					1B.1
Plant	<i>Clarkia borealis</i> ssp. <i>borealis</i>	northern clarkia	62					1B.3
Plant	<i>Clarkia concinna</i> ssp. <i>raichei</i>	Raiche's red ribbons	4					1B.1
Plant	<i>Clarkia delicata</i>	delicate clarkia	128					1B.2
Plant	<i>Clarkia franciscana</i>	Presidio clarkia	10	CE	FE			1B.1
Plant	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	84					1B.2
Plant	<i>Clarkia imbricata</i>	Vine Hill clarkia	4	CE	FE			1B.1
Plant	<i>Clarkia jolonensis</i>	Jolon clarkia	93					1B.2
Plant	<i>Clarkia lingulata</i>	Merced clarkia	6	CE				1B.1
Plant	<i>Clarkia mildrediae</i> ssp. <i>mildrediae</i>	Mildred's clarkia	98					1B.3
Plant	<i>Clarkia mosquinii</i>	Mosquin's clarkia	94					1B.1
Plant	<i>Clarkia rostrata</i>	beaked clarkia	81					1B.3
Plant	<i>Clarkia speciosa</i> ssp. <i>immaculata</i>	Pismo clarkia	26	CR	FE			1B.1
Plant	<i>Clarkia springvillensis</i>	Springville clarkia	32	CE	FT			1B.2
Plant	<i>Clarkia tembloriensis</i> ssp. <i>calientensis</i>	Vasek's clarkia	6					1B.1
Plant	<i>Claytonia lanceolata</i> var. <i>peirsonii</i>	Peirson's spring beauty	11					1B.1

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Claytonia megarhiza</i>	fell-fields claytonia	39					2.3
Plant	<i>Claytonia umbellata</i>	Great Basin claytonia	21					2.3
Plant	<i>Cleomella hillmanii</i>	Hillman's cleomella	13					2.2
Plant	<i>Cochlearia officinalis</i> var. <i>arctica</i>	arctic spoonwort	3					2.3
Plant	<i>Collinsia antonina</i>	San Antonio collinsia	25					1B.2
Plant	<i>Collinsia corymbosa</i>	round-headed Chinese-houses	17					1B.2
Plant	<i>Collinsia multicolor</i>	San Francisco collinsia	55					1B.2
Plant	<i>Collomia larsenii</i>	talus collomia	11					2.2
Plant	<i>Collomia rawsoniana</i>	Rawson's flaming trumpet	78					1B.2
Plant	<i>Collomia tenella</i>	slender collomia	4					2.2
Plant	<i>Colubrina californica</i>	Las Animas colubrina	159					2.3
Plant	<i>Comarostaphylis diversifolia</i> ssp. <i>diversifolia</i>	summer holly	141					1B.2
Plant	<i>Coptis laciniata</i>	Oregon goldthread	224					2.2
Plant	<i>Corallorhiza trifida</i>	northern coralroot	4					2.1
Plant	<i>Cordylanthus capitatus</i>	Yakima bird's-beak	31					2.2
Plant	<i>Cordylanthus eremicus</i> ssp. <i>kernensis</i>	Kern Plateau bird's-beak	42					1B.3
Plant	<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>	salt marsh bird's-beak	55	CE	FE			1B.2
Plant	<i>Cordylanthus maritimus</i> ssp. <i>palustris</i>	Point Reyes bird's-beak	114					1B.2
Plant	<i>Cordylanthus mollis</i> ssp. <i>hispidus</i>	hispid bird's-beak	79					1B.1
Plant	<i>Cordylanthus mollis</i> ssp. <i>mollis</i>	soft bird's-beak	51	CR	FE			1B.2
Plant	<i>Cordylanthus nidularius</i>	Mt. Diablo bird's-beak	5	CR				1B.1
Plant	<i>Cordylanthus orcuttianus</i>	Orcutt's bird's-beak	23					2.1
Plant	<i>Cordylanthus palmatus</i>	palmate-bracted bird's-beak	54	CE	FE			1B.1
Plant	<i>Cordylanthus parviflorus</i>	small-flowered bird's-beak	27					2.3
Plant	<i>Cordylanthus rigidus</i> ssp. <i>littoralis</i>	seaside bird's-beak	70	CE				1B.1
Plant	<i>Cordylanthus tecopensis</i>	Tecopa bird's-beak	11					1B.2
Plant	<i>Cordylanthus tenuis</i> ssp. <i>capillaris</i>	Pennell's bird's-beak	14	CR	FE			1B.2
Plant	<i>Cordylanthus tenuis</i> ssp. <i>pallescens</i>	pallid bird's-beak	70					1B.2
Plant	<i>Coreopsis hamiltonii</i>	Mt. Hamilton coreopsis	40					1B.2
Plant	<i>Coreopsis maritima</i>	sea dahlia	69					2.2
Plant	<i>Corethrogyne filaginifolia</i> var. <i>incana</i>	San Diego sand aster	24					1B.1
Plant	<i>Corethrogyne filaginifolia</i> var. <i>linifolia</i>	Del Mar Mesa sand aster	41					1B.1
Plant	<i>Corispermum americanum</i> var. <i>americanum</i>	American bugseed	7					2.2

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Coryphantha chlorantha</i>	desert pincushion	67					2.1
Plant	<i>Coryphantha vivipara</i> var. <i>rosea</i>	viviparous foxtail cactus	32					2.2
Plant	<i>Crepis runcinata</i> ssp. <i>hallii</i>	Hall's meadow hawksbeard	42					2.1
Plant	<i>Crossosoma californicum</i>	Catalina crossosoma	4					1B.2
Plant	<i>Croton wigginsii</i>	Wiggins' croton	133	CR				2.2
Plant	<i>Cryptantha circumscissa</i> var. <i>rosulata</i>	rosette cushion cryptantha	19					1B.2
Plant	<i>Cryptantha clevelandii</i> var. <i>dissita</i>	serpentine cryptantha	36					1B.1
Plant	<i>Cryptantha clokeyi</i>	Clokey's cryptantha	21					1B.1
Plant	<i>Cryptantha crinita</i>	silky cryptantha	107					1B.2
Plant	<i>Cryptantha crymophila</i>	subalpine cryptantha	27					1B.3
Plant	<i>Cryptantha excavata</i>	deep-scarred cryptantha	11					1B.3
Plant	<i>Cryptantha ganderi</i>	Gander's cryptantha	23					1B.1
Plant	<i>Cryptantha hooveri</i>	Hoover's cryptantha	8					1A
Plant	<i>Cryptantha incana</i>	Tulare cryptantha	11					1B.3
Plant	<i>Cryptantha mariposae</i>	Mariposa cryptantha	57					1B.3
Plant	<i>Cryptantha roosiorum</i>	bristlecone cryptantha	13	CR				1B.2
Plant	<i>Cuniculotinus gramineus</i>	Panamint rock-goldenrod	30					2.3
Plant	<i>Cusickiella quadricostata</i>	Bodie Hills cusickiella	61					1B.2
Plant	<i>Cymopterus deserticola</i>	desert cymopterus	168					1B.2
Plant	<i>Cymopterus gilmanii</i>	Gilman's cymopterus	92					2.3
Plant	<i>Cymopterus globosus</i>	globose cymopterus	15					2.2
Plant	<i>Cymopterus multinervatus</i>	purple-nerve cymopterus	44					2.2
Plant	<i>Cymopterus ripleyi</i> var. <i>saniculoides</i>	sanicle cymopterus	21					1B.2
Plant	<i>Dacryophyllum falcifolium</i>	tear drop moss	32					1B.3
Plant	<i>Dalea ornata</i>	ornate dalea	8					2.1
Plant	<i>Dedeckera eurekaensis</i>	July gold	64	CR				1B.3
Plant	<i>Deinandra arida</i>	Red Rock tarplant	22	CR				1B.2
Plant	<i>Deinandra bacigalupii</i>	Livermore tarplant	7					1B.2
Plant	<i>Deinandra conjugens</i>	Otay tarplant	46	CE	FT			1B.1
Plant	<i>Deinandra floribunda</i>	Tecate tarplant	46					1B.2
Plant	<i>Deinandra halliana</i>	Hall's tarplant	48					1B.1
Plant	<i>Deinandra increscens</i> ssp. <i>foliosa</i>	leafy tarplant	26					1B.2
Plant	<i>Deinandra increscens</i> ssp. <i>villosa</i>	Gaviota tarplant	43	CE	FE			1B.1

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Deinandra minthornii</i>	Santa Susana tarplant	57	CR				1B.2
Plant	<i>Deinandra mohavensis</i>	Mojave tarplant	74	CE				1B.3
Plant	<i>Delphinium bakeri</i>	Baker's larkspur	3	CE	FE			1B.1
Plant	<i>Delphinium californicum</i> ssp. <i>interius</i>	Hospital Canyon larkspur	43					1B.2
Plant	<i>Delphinium hesperium</i> ssp. <i>cuyamaca</i>	Cuyamaca larkspur	52	CR				1B.2
Plant	<i>Delphinium hutchinsoniae</i>	Hutchinson's larkspur	50					1B.2
Plant	<i>Delphinium luteum</i>	golden larkspur	29	CR	FE			1B.1
Plant	<i>Delphinium parryi</i> ssp. <i>blochmaniae</i>	dune larkspur	47					1B.2
Plant	<i>Delphinium purpusii</i>	rose-flowered larkspur	82					1B.3
Plant	<i>Delphinium recurvatum</i>	recurved larkspur	302					1B.2
Plant	<i>Delphinium scaposum</i>	bare-stem larkspur	8					2.3
Plant	<i>Delphinium stachydeum</i>	spiked larkspur	64					2.3
Plant	<i>Delphinium umbraculorum</i>	umbrella larkspur	172					1B.3
Plant	<i>Dichanthelium lanuginosum</i> var. <i>thermale</i>	Geysers dichanthelium	13	CE				1B.1
Plant	<i>Didymodon norrisii</i>	Norris' beard moss	110					2.2
Plant	<i>Dieteria asteroides</i> var. <i>lagunensis</i>	Mount Laguna aster	11	CR				2.1
Plant	<i>Dieteria canescens</i> var. <i>ziegleri</i>	Ziegler's aster	10					1B.2
Plant	<i>Digitaria californica</i>	Arizona cottontop	6					2.3
Plant	<i>Dimeresia howellii</i>	doublet	106					2.3
Plant	<i>Dirca occidentalis</i>	western leatherwood	105					1B.2
Plant	<i>Discelium nudum</i>	naked flag moss	14					2.2
Plant	<i>Ditaxis claryana</i>	glandular ditaxis	36					2.2
Plant	<i>Dithyrea maritima</i>	beach spectaclepod	39	CT				1B.1
Plant	<i>Dodecahema leptoceras</i>	slender-horned spineflower	63	CE	FE			1B.1
Plant	<i>Downingia concolor</i> var. <i>brevior</i>	Cuyamaca Lake downingia	13	CE				1B.1
Plant	<i>Downingia laeta</i>	Great Basin downingia	55					2.2
Plant	<i>Downingia pusilla</i>	dwarf downingia	232					2.2
Plant	<i>Draba asterophora</i> var. <i>asterophora</i>	Tahoe draba	25					1B.2
Plant	<i>Draba asterophora</i> var. <i>macrocarpa</i>	Cup Lake draba	6					1B.1
Plant	<i>Draba aureola</i>	golden alpine draba	18					1B.3
Plant	<i>Draba breweri</i> var. <i>cana</i>	canescent draba	22					2.3
Plant	<i>Draba carnosula</i>	Mt. Eddy draba	34					1B.3
Plant	<i>Draba corrugata</i> var. <i>saxosa</i>	Southern California rock draba	13					1B.3

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Draba cruciata</i>	Mineral King draba	20					1B.3
Plant	<i>Draba incrassata</i>	Sweetwater Mountains draba	23					1B.3
Plant	<i>Draba lonchocarpa</i> var. <i>lonchocarpa</i>	spear-fruited draba	6					2.3
Plant	<i>Draba monoensis</i>	White Mountains draba	8					1B.2
Plant	<i>Draba praealta</i>	tall draba	24					2.3
Plant	<i>Draba sharsmithii</i>	Mt. Whitney draba	12					1B.3
Plant	<i>Draba sierrae</i>	Sierra draba	52					1B.3
Plant	<i>Drosera anglica</i>	English sundew	42					2.3
Plant	<i>Dryopteris filix-mas</i>	male fern	10					2.3
Plant	<i>Dudleya abramsii</i> ssp. <i>affinis</i>	San Bernardino Mountains dudleya	40					1B.2
Plant	<i>Dudleya abramsii</i> ssp. <i>betinae</i>	Betty's dudleya	19					1B.2
Plant	<i>Dudleya abramsii</i> ssp. <i>murina</i>	mouse-gray dudleya	46					1B.3
Plant	<i>Dudleya attenuata</i> ssp. <i>orcuttii</i>	Orcutt's dudleya	4					2.1
Plant	<i>Dudleya blochmaniae</i> ssp. <i>blochmaniae</i>	Blochman's dudleya	95					1B.1
Plant	<i>Dudleya brevifolia</i>	short-leaved dudleya	16	CE				1B.1
Plant	<i>Dudleya cymosa</i> ssp. <i>agourensis</i>	Agoura Hills dudleya	16		FT			1B.2
Plant	<i>Dudleya cymosa</i> ssp. <i>costafolia</i>	Pierpoint Springs dudleya	7					1B.2
Plant	<i>Dudleya cymosa</i> ssp. <i>crebrifolia</i>	San Gabriel River dudleya	6					1B.2
Plant	<i>Dudleya cymosa</i> ssp. <i>marcescens</i>	marcescent dudleya	22	CR	FT			1B.2
Plant	<i>Dudleya cymosa</i> ssp. <i>ovatifolia</i>	Santa Monica dudleya	26		FT			1B.2
Plant	<i>Dudleya densiflora</i>	San Gabriel Mountains dudleya	14					1B.1
Plant	<i>Dudleya multicaulis</i>	many-stemmed dudleya	192					1B.2
Plant	<i>Dudleya parva</i>	Conejo dudleya	16		FT			1B.2
Plant	<i>Dudleya saxosa</i> ssp. <i>saxosa</i>	Panamint dudleya	32					1B.3
Plant	<i>Dudleya setchellii</i>	Santa Clara Valley dudleya	90		FE			1B.1
Plant	<i>Dudleya stolonifera</i>	Laguna Beach dudleya	10	CT	FT			1B.1
Plant	<i>Dudleya variegata</i>	variegated dudleya	101					1B.2
Plant	<i>Dudleya verityi</i>	Verity's dudleya	8		FT			1B.2
Plant	<i>Dudleya virens</i> ssp. <i>insularis</i>	island green dudleya	14					1B.2
Plant	<i>Dudleya viscida</i>	sticky dudleya	62					1B.2
Plant	<i>Echinocereus engelmannii</i> var. <i>howei</i>	Howe's hedgehog cactus	11					1B.1
Plant	<i>Eleocharis torticulmis</i>	California twisted spikerush	5					1B.3
Plant	<i>Elymus scribneri</i>	Scribner's wheat grass	7					2.3

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Empetrum nigrum</i> ssp. <i>hermaphroditum</i>	mountain crowberry	7					2.2
Plant	<i>Enceliopsis covillei</i>	Panamint daisy	39					1B.2
Plant	<i>Enneapogon desvauxii</i>	nine-awned pappus grass	59					2.2
Plant	<i>Entosthodon kochii</i>	Koch's cord moss	17					1B.3
Plant	<i>Epilobium howellii</i>	subalpine fireweed	162					1B.3
Plant	<i>Epilobium luteum</i>	yellow willowherb	4					2.3
Plant	<i>Epilobium nivium</i>	Snow Mountain willowherb	41					1B.2
Plant	<i>Epilobium oreganum</i>	Oregon fireweed	129					1B.2
Plant	<i>Epilobium palustre</i>	marsh willowherb	11					2.3
Plant	<i>Epilobium siskiyouense</i>	Siskiyou fireweed	100					1B.3
Plant	<i>Eremalche kernensis</i>	Kern mallow	63		FE			1B.1
Plant	<i>Eremogone cliftonii</i>	Clifton's eremogone	70					1B.3
Plant	<i>Eriastrum brandegeae</i>	Brandegee's eriastrum	118					1B.2
Plant	<i>Eriastrum densifolium</i> ssp. <i>sanctorum</i>	Santa Ana River woollystar	61	CE	FE			1B.1
Plant	<i>Eriastrum harwoodii</i>	Harwood's eriastrum	50					1B.2
Plant	<i>Eriastrum luteum</i>	yellow-flowered eriastrum	65					1B.2
Plant	<i>Eriastrum tracyi</i>	Tracy's eriastrum	98	CR				1B.2
Plant	<i>Ericameria cuneata</i> var. <i>macrocephala</i>	Laguna Mountains goldenbush	15					1B.3
Plant	<i>Ericameria fasciculata</i>	Eastwood's goldenbush	60					1B.1
Plant	<i>Ericameria gilmanii</i>	Gilman's goldenbush	20					1B.3
Plant	<i>Ericameria palmeri</i> var. <i>palmeri</i>	Palmer's goldenbush	57					2.2
Plant	<i>Erigeron aequifolius</i>	Hall's daisy	43					1B.3
Plant	<i>Erigeron blochmaniae</i>	Blochman's leafy daisy	55					1B.2
Plant	<i>Erigeron bloomeri</i> var. <i>nudatus</i>	Waldo daisy	44					2.3
Plant	<i>Erigeron calvus</i>	bald daisy	4					1B.1
Plant	<i>Erigeron compactus</i>	compact daisy	47					2.3
Plant	<i>Erigeron disparipilus</i>	Snake River daisy	3					2.1
Plant	<i>Erigeron greenei</i>	Greene's narrow-leaved daisy	54					1B.2
Plant	<i>Erigeron inornatus</i> var. <i>keilii</i>	keil's daisy	14					1B.3
Plant	<i>Erigeron maniopotamicus</i>	Mad River fleabane daisy	15					1B.2
Plant	<i>Erigeron mariposanus</i>	Mariposa daisy	4					1A
Plant	<i>Erigeron miser</i>	starved daisy	41					1B.3
Plant	<i>Erigeron multiceps</i>	Kern River daisy	42					1B.2

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Erigeron nevadincola</i>	Nevada daisy	48					2.3
Plant	<i>Erigeron nivalis</i>	snow fleabane daisy	23					2.3
Plant	<i>Erigeron oxyphyllus</i>	wand-like fleabane daisy	8					2.3
Plant	<i>Erigeron parishii</i>	Parish's daisy	54		FT			1B.1
Plant	<i>Erigeron serpentinus</i>	serpentine daisy	9					1B.3
Plant	<i>Erigeron supplex</i>	supple daisy	52					1B.2
Plant	<i>Erigeron uncialis</i> var. <i>uncialis</i>	limestone daisy	24					1B.2
Plant	<i>Erigeron utahensis</i>	Utah daisy	13					2.3
Plant	<i>Eriodictyon altissimum</i>	Indian Knob mountainbalm	14	CE	FE			1B.1
Plant	<i>Eriodictyon angustifolium</i>	narrow-leaved yerba santa	21					2.3
Plant	<i>Eriodictyon capitatum</i>	Lompoc yerba santa	21	CR	FE			1B.2
Plant	<i>Eriogonum alpinum</i>	Trinity buckwheat	37	CE				1B.2
Plant	<i>Eriogonum apricum</i> var. <i>apricum</i>	Ione buckwheat	13	CE	FE			1B.1
Plant	<i>Eriogonum apricum</i> var. <i>prostratum</i>	Irish Hill buckwheat	10	CE	FE			1B.1
Plant	<i>Eriogonum bifurcatum</i>	forked buckwheat	13					1B.2
Plant	<i>Eriogonum breedlovei</i> var. <i>breedlovei</i>	Breedlove's buckwheat	13					1B.2
Plant	<i>Eriogonum butterworthianum</i>	Butterworth's buckwheat	8	CR				1B.3
Plant	<i>Eriogonum callistum</i>	Tehachapi buckwheat	4					1B.1
Plant	<i>Eriogonum contiguum</i>	Ash Meadows buckwheat	39					2.3
Plant	<i>Eriogonum crocatum</i>	Conejo buckwheat	33	CR				1B.2
Plant	<i>Eriogonum eastwoodianum</i>	Eastwood's buckwheat	16					1B.3
Plant	<i>Eriogonum eremicola</i>	Wildrose Canyon buckwheat	17					1B.3
Plant	<i>Eriogonum evanidum</i>	vanishing wild buckwheat	13					1B.1
Plant	<i>Eriogonum gilmanii</i>	Gilman's buckwheat	36					1B.3
Plant	<i>Eriogonum hirtellum</i>	Klamath Mountain buckwheat	58					1B.3
Plant	<i>Eriogonum hoffmannii</i> var. <i>hoffmannii</i>	Hoffmann's buckwheat	28					1B.3
Plant	<i>Eriogonum hoffmannii</i> var. <i>robustius</i>	robust Hoffmann's buckwheat	41					1B.3
Plant	<i>Eriogonum intrafractum</i>	jointed buckwheat	48					1B.3
Plant	<i>Eriogonum kelloggii</i>	Kellogg's buckwheat	11	CE	FC			1B.2
Plant	<i>Eriogonum kennedyi</i> var. <i>alpigenum</i>	southern alpine buckwheat	26					1B.3
Plant	<i>Eriogonum kennedyi</i> var. <i>austromontanum</i>	southern mountain buckwheat	56		FT			1B.2
Plant	<i>Eriogonum kennedyi</i> var. <i>pinicola</i>	Kern buckwheat	10					1B.1
Plant	<i>Eriogonum luteolum</i> var. <i>caninum</i>	Tiburon buckwheat	58					1B.2

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Eriogonum luteolum</i> var. <i>saltuarium</i>	Jack's wild buckwheat	11					1B.2
Plant	<i>Eriogonum mensicola</i>	Pinyon Mesa buckwheat	33					1B.3
Plant	<i>Eriogonum microthecum</i> var. <i>johnstonii</i>	Johnston's buckwheat	20					1B.3
Plant	<i>Eriogonum microthecum</i> var. <i>lacus-ursi</i>	Bear Lake buckwheat	3					1B.1
Plant	<i>Eriogonum microthecum</i> var. <i>panamintense</i>	Panamint Mountains buckwheat	22					1B.3
Plant	<i>Eriogonum microthecum</i> var. <i>schoolcraftii</i>	Schoolcraft's wild buckwheat	27					1B.2
Plant	<i>Eriogonum nervulosum</i>	Snow Mountain buckwheat	44					1B.2
Plant	<i>Eriogonum nortonii</i>	Pinnacles buckwheat	62					1B.3
Plant	<i>Eriogonum nudum</i> var. <i>decurrens</i>	Ben Lomond buckwheat	14					1B.1
Plant	<i>Eriogonum nudum</i> var. <i>murinum</i>	mouse buckwheat	31					1B.2
Plant	<i>Eriogonum nudum</i> var. <i>paralinum</i>	Del Norte buckwheat	6					2.2
Plant	<i>Eriogonum nudum</i> var. <i>regirivum</i>	Kings River buckwheat	8					1B.2
Plant	<i>Eriogonum nutans</i> var. <i>nutans</i>	Dugway wild buckwheat	36					2.3
Plant	<i>Eriogonum ochrocephalum</i> var. <i>alexanderae</i>	Alexander's buckwheat	5					2.2
Plant	<i>Eriogonum ochrocephalum</i> var. <i>ochrocephalum</i>	ochre-flowered buckwheat	4					2.2
Plant	<i>Eriogonum ovalifolium</i> var. <i>monarchense</i>	Monarch buckwheat	4					1B.3
Plant	<i>Eriogonum ovalifolium</i> var. <i>vineum</i>	Cushenbury buckwheat	64		FE			1B.1
Plant	<i>Eriogonum pendulum</i>	Waldo wild buckwheat	40					2.2
Plant	<i>Eriogonum prociduum</i>	prostrate buckwheat	71					1B.2
Plant	<i>Eriogonum puberulum</i>	downy buckwheat	6					2.3
Plant	<i>Eriogonum pyrolifolium</i> var. <i>pyrolifolium</i>	pyrola-leaved buckwheat	38					2.3
Plant	<i>Eriogonum spectabile</i>	Barron's buckwheat	4					1B.2
Plant	<i>Eriogonum temblorense</i>	Temblor buckwheat	46					1B.2
Plant	<i>Eriogonum thornei</i>	Thorne's buckwheat	5	CE				1B.2
Plant	<i>Eriogonum truncatum</i>	Mt. Diablo buckwheat	23					1B.1
Plant	<i>Eriogonum twisselmannii</i>	Twisselmann's buckwheat	16	CR				1B.2
Plant	<i>Eriogonum umbellatum</i> var. <i>glaberrimum</i>	Warner Mountains buckwheat	7					1B.3
Plant	<i>Eriogonum umbellatum</i> var. <i>juniporinum</i>	juniper sulphur-flowered buckwheat	19					2.3
Plant	<i>Eriogonum umbellatum</i> var. <i>lautum</i>	Scott Valley buckwheat	3					1B.1
Plant	<i>Eriogonum umbellatum</i> var. <i>torreyanum</i>	Donner Pass buckwheat	49					1B.2
Plant	<i>Eriogonum ursinum</i> var. <i>erubescens</i>	blushing wild buckwheat	27					1B.3
Plant	<i>Eriogonum wrightii</i> var. <i>olanchense</i>	Olanca Peak buckwheat	4					1B.3
Plant	<i>Erioneuron pilosum</i>	hairy erioneuron	24					2.3

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Eriophyllum congdonii</i>	Congdon's woolly sunflower	36	CR				1B.2
Plant	<i>Eriophyllum lanatum</i> var. <i>hallii</i>	Fort Tejon woolly sunflower	10					1B.1
Plant	<i>Eriophyllum latilobum</i>	San Mateo woolly sunflower	13	CE	FE			1B.1
Plant	<i>Eriophyllum mohavense</i>	Barstow woolly sunflower	115					1B.2
Plant	<i>Eriophyllum nubigenum</i>	Yosemite woolly sunflower	24					1B.3
Plant	<i>Eryngium aristulatum</i> var. <i>hooveri</i>	Hoover's button-celery	19					1B.1
Plant	<i>Eryngium aristulatum</i> var. <i>parishii</i>	San Diego button-celery	112	CE	FE			1B.1
Plant	<i>Eryngium constancei</i>	Loch Lomond button-celery	10	CE	FE			1B.1
Plant	<i>Eryngium pendletonensis</i>	Pendleton button-celery	10					1B.1
Plant	<i>Eryngium pinnatisectum</i>	Tuolumne button-celery	71					1B.2
Plant	<i>Eryngium racemosum</i>	Delta button-celery	63	CE				1B.1
Plant	<i>Eryngium spinosepalum</i>	spiny-sepaled button-celery	132					1B.2
Plant	<i>Erysimum ammophilum</i>	sand-loving wallflower	65					1B.2
Plant	<i>Erysimum capitatum</i> var. <i>angustatum</i>	Contra Costa wallflower	6	CE	FE			1B.1
Plant	<i>Erysimum menziesii</i> ssp. <i>eurekense</i>	Humboldt Bay wallflower	22	CE	FE			1B.1
Plant	<i>Erysimum menziesii</i> ssp. <i>menziesii</i>	Menzies' wallflower	21	CE	FE			1B.1
Plant	<i>Erysimum menziesii</i> ssp. <i>yadonii</i>	Yadon's wallflower	7	CE	FE			1B.1
Plant	<i>Erysimum teretifolium</i>	Santa Cruz wallflower	25	CE	FE			1B.1
Plant	<i>Erythronium citrinum</i> var. <i>roderickii</i>	Scott Mountains fawn lily	96					1B.3
Plant	<i>Erythronium hendersonii</i>	Henderson's fawn lily	16					2.3
Plant	<i>Erythronium howellii</i>	Howell's fawn lily	27					1B.3
Plant	<i>Erythronium klamathense</i>	Klamath fawn lily	18					2.2
Plant	<i>Erythronium oregonum</i>	giant fawn lily	66					2.2
Plant	<i>Erythronium pluriflorum</i>	Shuteye Peak fawn lily	14					1B.3
Plant	<i>Erythronium pusaterii</i>	Kaweah fawn lily	25					1B.3
Plant	<i>Erythronium revolutum</i>	coast fawn lily	232					2.2
Plant	<i>Erythronium taylorii</i>	Pilot Ridge fawn lily	4					1B.2
Plant	<i>Erythronium tuolumnense</i>	Tuolumne fawn lily	63					1B.2
Plant	<i>Eschscholzia lemmonii</i> ssp. <i>kernensis</i>	Tejon poppy	87					1B.1
Plant	<i>Eschscholzia minutiflora</i> ssp. <i>twisselmannii</i>	Red Rock poppy	45					1B.2
Plant	<i>Eschscholzia rhombipetala</i>	diamond-petaled California poppy	27					1B.1
Plant	<i>Eucephalus vialis</i>	wayside aster	17					1B.2
Plant	<i>Eucnide rupestris</i>	annual rock-nettle	27					2.2

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Euphorbia exstipulata</i> var. <i>exstipulata</i>	Clark Mountain spurge	4					2.1
Plant	<i>Euphorbia misera</i>	cliff spurge	54					2.2
Plant	<i>Ferocactus viridescens</i>	San Diego barrel cactus	224					2.1
Plant	<i>Festuca minutiflora</i>	small-flowered fescue	20					2.3
Plant	<i>Fimbristylis thermalis</i>	hot springs fimbristylis	52					2.2
Plant	<i>Fissidens aphelotaxifolius</i>	brook pocket moss	6					2.2
Plant	<i>Fissidens pauperculus</i>	minute pocket moss	49					1B.2
Plant	<i>Frangula purshiana</i> ssp. <i>ultramafica</i>	Caribou coffeeberry	27					1B.2
Plant	<i>Frankenia palmeri</i>	Palmer's frankenia	8					2.1
Plant	<i>Fraxinus parryi</i>	chaparral ash	8					2.2
Plant	<i>Fremontodendron decumbens</i>	Pine Hill flannelbush	16	CR	FE			1B.2
Plant	<i>Fremontodendron mexicanum</i>	Mexican flannelbush	32	CR	FE			1B.1
Plant	<i>Fritillaria biflora</i> var. <i>ineziana</i>	Hillsborough chocolate lily	6					1B.1
Plant	<i>Fritillaria brandegeei</i>	Greenhorn fritillary	70					1B.3
Plant	<i>Fritillaria falcata</i>	talus fritillary	34					1B.2
Plant	<i>Fritillaria gentneri</i>	Gentner's fritillary	5		FE			1B.1
Plant	<i>Fritillaria lanceolata</i> var. <i>tristulis</i>	Marin checker lily	66					1B.1
Plant	<i>Fritillaria liliacea</i>	fragrant fritillary	135					1B.2
Plant	<i>Fritillaria ojaiensis</i>	Ojai fritillary	50					1B.2
Plant	<i>Fritillaria pluriflora</i>	adobe-lily	195					1B.2
Plant	<i>Fritillaria roderickii</i>	Roderick's fritillary	20	CE				1B.1
Plant	<i>Fritillaria striata</i>	striped adobe-lily	51	CT				1B.1
Plant	<i>Fritillaria viridea</i>	San Benito fritillary	51					1B.2
Plant	<i>Galium angustifolium</i> ssp. <i>borregoense</i>	Borrego bedstraw	32	CR				1B.3
Plant	<i>Galium angustifolium</i> ssp. <i>jacinticum</i>	San Jacinto Mountains bedstraw	32					1B.3
Plant	<i>Galium angustifolium</i> ssp. <i>onycense</i>	Onyx Peak bedstraw	34					1B.3
Plant	<i>Galium californicum</i> ssp. <i>lucicense</i>	Cone Peak bedstraw	51					1B.3
Plant	<i>Galium californicum</i> ssp. <i>primum</i>	Alvin Meadow bedstraw	9					1B.2
Plant	<i>Galium californicum</i> ssp. <i>sierrae</i>	El Dorado bedstraw	24	CR	FE			1B.2
Plant	<i>Galium clementis</i>	Santa Lucia bedstraw	32					1B.3
Plant	<i>Galium glabrescens</i> ssp. <i>modocense</i>	Modoc bedstraw	55					1B.2
Plant	<i>Galium grande</i>	San Gabriel bedstraw	25					1B.2
Plant	<i>Galium hardhamiae</i>	Hardham's bedstraw	48					1B.3

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Galium hilendiae</i> ssp. <i>carneum</i>	Panamint Mountains bedstraw	31					1B.3
Plant	<i>Galium hilendiae</i> ssp. <i>kingstonense</i>	Kingston Mountains bedstraw	9					1B.3
Plant	<i>Galium hypotrichium</i> ssp. <i>tomentellum</i>	Telescope Peak bedstraw	4					1B.3
Plant	<i>Galium proliferum</i>	desert bedstraw	31					2.2
Plant	<i>Galium serpenticum</i> ssp. <i>scotticum</i>	Scott Mountain bedstraw	74					1B.2
Plant	<i>Galium serpenticum</i> ssp. <i>warnerense</i>	Warner Mountains bedstraw	7					1B.2
Plant	<i>Galium wrightii</i>	Wright's bedstraw	7					2.3
Plant	<i>Gentiana fremontii</i>	Fremont's gentian	5					2.3
Plant	<i>Gentiana plurisetosa</i>	Klamath gentian	31					1B.3
Plant	<i>Gentiana prostrata</i>	pygmy gentian	7					2.3
Plant	<i>Gentiana setigera</i>	Mendocino gentian	20					1B.2
Plant	<i>Geothallus tuberosus</i>	Campbell's liverwort	17					1B.1
Plant	<i>Geraea viscida</i>	sticky geraea	123					2.3
Plant	<i>Geum aleppicum</i>	Aleppo avens	18					2.2
Plant	<i>Gilia capitata</i> ssp. <i>chamissonis</i>	blue coast gilia	52					1B.1
Plant	<i>Gilia capitata</i> ssp. <i>pacifica</i>	Pacific gilia	138					1B.2
Plant	<i>Gilia capitata</i> ssp. <i>tomentosa</i>	woolly-headed gilia	16					1B.1
Plant	<i>Gilia leptantha</i> ssp. <i>leptantha</i>	San Bernardino gilia	37					1B.3
Plant	<i>Gilia millefoliata</i>	dark-eyed gilia	77					1B.2
Plant	<i>Gilia tenuiflora</i> ssp. <i>arenaria</i>	sand gilia	51	CT	FE			1B.2
Plant	<i>Gilia yorkii</i>	Monarch gilia	3					1B.2
Plant	<i>Gilmania luteola</i>	golden-carpet gilmania	34					1B.3
Plant	<i>Githopsis tenella</i>	delicate bluecup	15					1B.3
Plant	<i>Glossopetalon pungens</i>	pungent glossopetalon	3					1B.2
Plant	<i>Glyceria grandis</i>	American manna grass	33					2.3
Plant	<i>Gratiola heterosepala</i>	Boggs Lake hedge-hyssop	242	CE				1B.2
Plant	<i>Grindelia fraxinipratensis</i>	Ash Meadows gumplant	7		FT			1B.2
Plant	<i>Grindelia hirsutula</i> var. <i>hallii</i>	San Diego gumplant	87					1B.2
Plant	<i>Grindelia hirsutula</i> var. <i>maritima</i>	San Francisco gumplant	25					1B.2
Plant	<i>Grusonia parishii</i>	Parish's club-cholla	50					2.2
Plant	<i>Hackelia sharsmithii</i>	Sharsmith's stickseed	51					2.3
Plant	<i>Halimolobos virgata</i>	virgate halimolobos	7					2.3
Plant	<i>Harmonia doris-nilesiae</i>	Niles' harmonia	64					1B.1

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Harmonia guggolziorum</i>	Guggolz's harmonia	4					1B.1
Plant	<i>Harmonia hallii</i>	Hall's harmonia	51					1B.2
Plant	<i>Harmonia stebbinsii</i>	Stebbins' harmonia	44					1B.2
Plant	<i>Hazardia orcuttii</i>	Orcutt's hazardia	4	CT	FC			1B.1
Plant	<i>Hedeoma drummondii</i>	Drummond's false pennyroyal	4					2.2
Plant	<i>Helianthella castanea</i>	Diablo helianthella	166					1B.2
Plant	<i>Helianthus niveus</i> ssp. <i>tephrodes</i>	Algodones Dunes sunflower	133	CE				1B.2
Plant	<i>Helianthus nuttallii</i> ssp. <i>parishii</i>	Los Angeles sunflower	21					1A
Plant	<i>Helodium blandowii</i>	Blandow's bog moss	20					2.3
Plant	<i>Hemizonia congesta</i> ssp. <i>congesta</i>	seaside tarplant	101					1B.2
Plant	<i>Herissantia crispa</i>	curly herissantia	6					2.3
Plant	<i>Hesperevax sparsiflora</i> var. <i>brevifolia</i>	short-leaved evax	117					1B.2
Plant	<i>Hesperolinon adenophyllum</i>	glandular western flax	120					1B.2
Plant	<i>Hesperolinon bicarpellatum</i>	two-carpellate western flax	81					1B.2
Plant	<i>Hesperolinon breweri</i>	Brewer's western flax	56					1B.2
Plant	<i>Hesperolinon congestum</i>	Marin western flax	59	CT	FT			1B.1
Plant	<i>Hesperolinon didymocarpum</i>	Lake County western flax	9	CE				1B.2
Plant	<i>Hesperolinon drymarioides</i>	drymaria-like western flax	47					1B.2
Plant	<i>Hesperolinon</i> sp. nov. "serpentinum"	Napa western flax	89					1B.1
Plant	<i>Hesperolinon tehamense</i>	Tehama County western flax	37					1B.3
Plant	<i>Heterotheca monarchensis</i>	Monarch golden-aster	7					1B.3
Plant	<i>Heterotheca sessiliflora</i> ssp. <i>sessiliflora</i>	beach goldenaster	41					1B.1
Plant	<i>Heterotheca shevockii</i>	Shevock's golden-aster	30					1B.3
Plant	<i>Heuchera brevistaminea</i>	Laguna Mountains alumroot	22					1B.3
Plant	<i>Heuchera hirsutissima</i>	shaggy-haired alumroot	33					1B.3
Plant	<i>Heuchera parishii</i>	Parish's alumroot	40					1B.3
Plant	<i>Heuchera rubescens</i> var. <i>versicolor</i>	San Diego County alumroot	16					2.3
Plant	<i>Hibiscus lasiocarpus</i>	woolly rose-mallow	277					2.2
Plant	<i>Hierochloe odorata</i>	nodding vanilla-grass	17					2.3
Plant	<i>Hoita strobilina</i>	Loma Prieta hoita	72					1B.1
Plant	<i>Holocarpha macradenia</i>	Santa Cruz tarplant	45	CE	FT			1B.1
Plant	<i>Horkelia bolanderi</i>	Bolander's horkelia	27					1B.2
Plant	<i>Horkelia congesta</i> ssp. <i>nemorosa</i>	Josephine horkelia	12					2.1

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Horkelia cuneata</i> ssp. <i>puberula</i>	mesa horkelia	109					1B.1
Plant	<i>Horkelia cuneata</i> ssp. <i>sericea</i>	Kellogg's horkelia	106					1B.1
Plant	<i>Horkelia hendersonii</i>	Henderson's horkelia	4					1B.1
Plant	<i>Horkelia hispidula</i>	White Mountains horkelia	32					1B.3
Plant	<i>Horkelia marinensis</i>	Point Reyes horkelia	76					1B.2
Plant	<i>Horkelia parryi</i>	Parry's horkelia	91					1B.2
Plant	<i>Horkelia tenuiloba</i>	thin-lobed horkelia	57					1B.2
Plant	<i>Horkelia truncata</i>	Ramona horkelia	106					1B.3
Plant	<i>Horkelia tularensis</i>	Kern Plateau horkelia	15					1B.3
Plant	<i>Horkelia wilderae</i>	Barton Flats horkelia	18					1B.1
Plant	<i>Howellia aquatilis</i>	water howellia	14		FT			2.2
Plant	<i>Hulsea brevifolia</i>	short-leaved hulsea	149					1B.2
Plant	<i>Hulsea californica</i>	San Diego hulsea	85					1B.3
Plant	<i>Hulsea mexicana</i>	Mexican hulsea	11					2.3
Plant	<i>Hulsea nana</i>	little hulsea	64					2.3
Plant	<i>Hulsea vestita</i> ssp. <i>inyoensis</i>	Inyo hulsea	25					2.2
Plant	<i>Hulsea vestita</i> ssp. <i>pygmaea</i>	pygmy hulsea	8					1B.3
Plant	<i>Hymenopappus filifolius</i> var. <i>eriododus</i>	hairy-podded fine-leaf hymenopappus	12					2.3
Plant	<i>Hymenopappus filifolius</i> var. <i>nanus</i>	little cutleaf	52					2.3
Plant	<i>Hymenoxys lemmonii</i>	alkali hymenoxys	28					2.2
Plant	<i>Hymenoxys odorata</i>	bitter hymenoxys	15					2
Plant	<i>Iliamna latibracteata</i>	California globe mallow	65					1B.2
Plant	<i>Imperata brevifolia</i>	California satintail	114					2.1
Plant	<i>Ipomopsis effusa</i>	Baja California ipomopsis	3					2.1
Plant	<i>Ipomopsis tenuifolia</i>	slender-leaved ipomopsis	25					2.3
Plant	<i>Iris hartwegii</i> ssp. <i>columbiana</i>	Tuolumne iris	10					1B.2
Plant	<i>Iris munzii</i>	Munz's iris	26					1B.3
Plant	<i>Isocoma arguta</i>	Carquinez goldenbush	35					1B.1
Plant	<i>Isocoma menziesii</i> var. <i>decumbens</i>	decumbent goldenbush	33					1B.2
Plant	<i>Iva hayesiana</i>	San Diego marsh-elder	119					2.2
Plant	<i>Ivesia aperta</i> var. <i>aperta</i>	Sierra Valley ivesia	97					1B.2
Plant	<i>Ivesia aperta</i> var. <i>canina</i>	Dog Valley ivesia	6					1B.1
Plant	<i>Ivesia argyrocoma</i>	silver-haired ivesia	71					1B.2

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Ivesia arizonica</i> var. <i>arizonica</i>	yellow ivesia	13					2.3
Plant	<i>Ivesia baileyi</i> var. <i>baileyi</i>	Bailey's ivesia	38					2.3
Plant	<i>Ivesia baileyi</i> var. <i>beneolens</i>	Owyhee ivesia	4					2.3
Plant	<i>Ivesia callida</i>	Tahquitz ivesia	6	CR				1B.3
Plant	<i>Ivesia campestris</i>	field ivesia	82					1B.2
Plant	<i>Ivesia jaegeri</i>	Jaeger's ivesia	5					1B.3
Plant	<i>Ivesia kingii</i> var. <i>kingii</i>	alkali ivesia	43					2.2
Plant	<i>Ivesia longibracteata</i>	Castle Crags ivesia	5					1B.3
Plant	<i>Ivesia paniculata</i>	Ash Creek ivesia	38					1B.2
Plant	<i>Ivesia patellifera</i>	Kingston Mountains ivesia	14					1B.3
Plant	<i>Ivesia pickeringii</i>	Pickering's ivesia	32					1B.2
Plant	<i>Ivesia sericoleuca</i>	Plumas ivesia	147					1B.2
Plant	<i>Ivesia webberi</i>	Webber's ivesia	26		FC			1B.1
Plant	<i>Juglans hindsii</i>	Northern California black walnut	13					1B.1
Plant	<i>Juncus digitatus</i>	finger rush	7					1B.1
Plant	<i>Juncus dudleyi</i>	Dudley's rush	39					2.3
Plant	<i>Juncus leiospermus</i> var. <i>ahartii</i>	Ahart's dwarf rush	28					1B.2
Plant	<i>Juncus leiospermus</i> var. <i>leiospermus</i>	Red Bluff dwarf rush	94					1B.1
Plant	<i>Juncus luciensis</i>	Santa Lucia dwarf rush	104					1B.2
Plant	<i>Juncus nodosus</i>	knotted rush	26					2.3
Plant	<i>Juncus regelii</i>	Regel's rush	7					2.3
Plant	<i>Juncus supiniformis</i>	hair-leaved rush	11					2.2
Plant	<i>Kobresia bellardii</i>	seep kobresia	3					2.3
Plant	<i>Koerberlinia spinosa</i> ssp. <i>tenuispina</i>	slender-spined all-thorn	27					2.2
Plant	<i>Lasthenia burkei</i>	Burke's goldfields	58	CE	FE			1B.1
Plant	<i>Lasthenia californica</i> ssp. <i>bakeri</i>	Baker's goldfields	49					1B.2
Plant	<i>Lasthenia californica</i> ssp. <i>macrantha</i>	perennial goldfields	109					1B.2
Plant	<i>Lasthenia conjugens</i>	Contra Costa goldfields	61		FE			1B.1
Plant	<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields	168					1B.1
Plant	<i>Lathyrus biflorus</i>	two-flowered pea	7					1B.1
Plant	<i>Lathyrus hitchcockianus</i>	Bullfrog Mountain pea	3					1B.3
Plant	<i>Lathyrus japonicus</i>	seaside pea	40					2.1
Plant	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	209					1B.2

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Lathyrus palustris</i>	marsh pea	35					2.2
Plant	<i>Lathyrus rigidus</i>	rigid pea	29					2.2
Plant	<i>Layia carnosa</i>	beach layia	65	CE	FE			1B.1
Plant	<i>Layia discoidea</i>	rayless layia	23					1B.1
Plant	<i>Layia heterotricha</i>	pale-yellow layia	279					1B.1
Plant	<i>Layia jonesii</i>	Jones' layia	38					1B.2
Plant	<i>Layia leucopappa</i>	Comanche Point layia	21					1B.1
Plant	<i>Layia munzii</i>	Munz's tidy-tips	86					1B.2
Plant	<i>Layia septentrionalis</i>	Colusa layia	170					1B.2
Plant	<i>Legenere limosa</i>	legenere	155					1B.1
Plant	<i>Lepechinia cardiophylla</i>	heart-leaved pitcher sage	34					1B.2
Plant	<i>Lepechinia ganderi</i>	Gander's pitcher sage	32					1B.3
Plant	<i>Lepechinia rossii</i>	Ross' pitcher sage	8					1B.2
Plant	<i>Lepidium flavum</i> var. <i>felipense</i>	Borrego Valley pepper-grass	15					1B.2
Plant	<i>Lepidium jaredii</i> ssp. <i>album</i>	Panoche pepper-grass	51					1B.2
Plant	<i>Lepidium jaredii</i> ssp. <i>jaredii</i>	Jared's pepper-grass	35					1B.2
Plant	<i>Lepidium latipes</i> var. <i>heckardii</i>	Heckard's pepper-grass	40					1B.2
Plant	<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson's pepper-grass	211					1B.2
Plant	<i>Leptosiphon croceus</i>	coast yellow leptosiphon	4					1B.1
Plant	<i>Leptosiphon floribundus</i> ssp. <i>hallii</i>	Santa Rosa Mountains leptosiphon	50					1B.3
Plant	<i>Leptosiphon jepsonii</i>	Jepson's leptosiphon	37					1B.2
Plant	<i>Leptosiphon nuttallii</i> ssp. <i>howellii</i>	Mt. Tedoc leptosiphon	10					1B.3
Plant	<i>Leptosiphon rosaceus</i>	rose leptosiphon	33					1B.1
Plant	<i>Leptosiphon serrulatus</i>	Madera leptosiphon	92					1B.2
Plant	<i>Lesquerella kingii</i> ssp. <i>bernardina</i>	San Bernardino Mountains bladderpod	13		FE			1B.1
Plant	<i>Lessingia arachnoidea</i>	Crystal Springs lessingia	20					1B.2
Plant	<i>Lessingia germanorum</i>	San Francisco lessingia	12	CE	FE			1B.1
Plant	<i>Lessingia glandulifera</i> var. <i>tomentosa</i>	Warner Springs lessingia	32					1B.3
Plant	<i>Lessingia micradenia</i> var. <i>glabrata</i>	smooth lessingia	62					1B.2
Plant	<i>Lessingia micradenia</i> var. <i>micradenia</i>	Tamalpais lessingia	8					1B.2
Plant	<i>Lewisia brachycalyx</i>	short-sepaled lewisia	30					2.2
Plant	<i>Lewisia cantelovii</i>	Cantelow's lewisia	136					1B.2
Plant	<i>Lewisia congdonii</i>	Congdon's lewisia	32	CR				1B.3

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Lewisia cotyledon</i> var. <i>heckneri</i>	Heckner's lewisia	63					1B.2
Plant	<i>Lewisia disepala</i>	Yosemite lewisia	67					1B.2
Plant	<i>Lewisia longipetala</i>	long-petaled lewisia	35					1B.3
Plant	<i>Lewisia oppositifolia</i>	opposite-leaved lewisia	44					2.2
Plant	<i>Lewisia serrata</i>	saw-toothed lewisia	30					1B.1
Plant	<i>Lewisia stebbinsii</i>	Stebbins' lewisia	25					1B.2
Plant	<i>Leymus salinus</i> ssp. <i>mojavensis</i>	hillside wheat grass	18					2.3
Plant	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	268	CR				1B.1
Plant	<i>Lilium maritimum</i>	coast lily	127					1B.1
Plant	<i>Lilium occidentale</i>	western lily	21	CE	FE			1B.1
Plant	<i>Lilium pardalinum</i> ssp. <i>pitkinense</i>	Pitkin Marsh lily	7	CE	FE			1B.1
Plant	<i>Lilium parryi</i>	lemon lily	149					1B.2
Plant	<i>Limnanthes bakeri</i>	Baker's meadowfoam	46	CR				1B.1
Plant	<i>Limnanthes douglasii</i> ssp. <i>sulphurea</i>	Point Reyes meadowfoam	18	CE				1B.2
Plant	<i>Limnanthes floccosa</i> ssp. <i>bellingariana</i>	Bellinger's meadowfoam	12					1B.2
Plant	<i>Limnanthes floccosa</i> ssp. <i>californica</i>	Butte County meadowfoam	42	CE	FE			1B.1
Plant	<i>Limnanthes gracilis</i> ssp. <i>parishii</i>	Parish's meadowfoam	74	CE				1B.2
Plant	<i>Limnanthes vinculans</i>	Sebastopol meadowfoam	49	CE	FE			1B.1
Plant	<i>Limosella subulata</i>	Delta mudwort	108					2.1
Plant	<i>Linanthus bellus</i>	desert beauty	65					2.3
Plant	<i>Linanthus concinnus</i>	San Gabriel linanthus	37					1B.2
Plant	<i>Linanthus jaegeri</i>	San Jacinto linanthus	19					1B.2
Plant	<i>Linanthus killipii</i>	Baldwin Lake linanthus	33					1B.2
Plant	<i>Linanthus maculatus</i>	Little San Bernardino Mtns. linanthus	57					1B.2
Plant	<i>Linanthus orcuttii</i>	Orcutt's linanthus	73					1B.3
Plant	<i>Linum puberulum</i>	plains flax	24					2.3
Plant	<i>Lithospermum incisum</i>	plains stoneseed	4					2.3
Plant	<i>Loeflingia squarrosa</i> var. <i>artemisiarum</i>	sagebrush loeflingia	91					2.2
Plant	<i>Lomatium congdonii</i>	Congdon's lomatium	39					1B.2
Plant	<i>Lomatium foeniculaceum</i> var. <i>macdougalii</i>	Macdougall's lomatium	61					2.2
Plant	<i>Lomatium grayi</i>	Gray's lomatium	12					2.3
Plant	<i>Lomatium hendersonii</i>	Henderson's lomatium	30					2.3
Plant	<i>Lomatium martindalei</i>	Coast Range lomatium	28					2.3

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Lomatium observatorium</i>	Mt. Hamilton lomatium	12					1B.2
Plant	<i>Lomatium peckianum</i>	Peck's lomatium	35					2.2
Plant	<i>Lomatium ravenii</i>	Raven's lomatium	117					2.3
Plant	<i>Lomatium roseanum</i>	adobe lomatium	34					1B.2
Plant	<i>Lomatium shevockii</i>	Owens Peak lomatium	7					1B.3
Plant	<i>Lomatium stebbinsii</i>	Stebbins' lomatium	92					1B.1
Plant	<i>Lonicera subspicata</i> var. <i>subspicata</i>	Santa Barbara honeysuckle	38					1B.2
Plant	<i>Lotus argyraeus</i> var. <i>multicaulis</i>	scrub lotus	11					1B.3
Plant	<i>Lotus argyraeus</i> var. <i>notitius</i>	Providence Mountains lotus	4					1B.3
Plant	<i>Lotus crassifolius</i> var. <i>otayensis</i>	Otay Mountain lotus	12					1B.1
Plant	<i>Lotus haydonii</i>	pygmy lotus	33					1B.3
Plant	<i>Lotus nuttallianus</i>	Nuttall's lotus	65					1B.1
Plant	<i>Lotus oblongifolius</i> var. <i>cupreus</i>	copper-flowered bird's-foot trefoil	15					1B.3
Plant	<i>Lotus rubriflorus</i>	red-flowered bird's-foot-trefoil	17					1B.1
Plant	<i>Lupinus antoninus</i>	Anthony Peak lupine	15					1B.3
Plant	<i>Lupinus citrinus</i> var. <i>citrinus</i>	orange lupine	78					1B.2
Plant	<i>Lupinus citrinus</i> var. <i>deflexus</i>	Mariposa lupine	15	CT				1B.2
Plant	<i>Lupinus constancei</i>	The Lassics lupine	5					1B.2
Plant	<i>Lupinus duranii</i>	Mono Lake lupine	90					1B.2
Plant	<i>Lupinus elmeri</i>	South Fork Mtn. lupine	65					1B.2
Plant	<i>Lupinus excubitus</i> var. <i>medius</i>	Mountain Springs bush lupine	76					1B.3
Plant	<i>Lupinus gracilentus</i>	slender lupine	21					1B.3
Plant	<i>Lupinus holmgrenianus</i>	Holmgren's lupine	10					2.3
Plant	<i>Lupinus latifolius</i> var. <i>barbatus</i>	bearded lupine	6					1B.2
Plant	<i>Lupinus lepidus</i> var. <i>culbertsonii</i>	Hockett Meadows lupine	25					1B.3
Plant	<i>Lupinus ludovicianus</i>	San Luis Obispo County lupine	33					1B.2
Plant	<i>Lupinus magnificus</i> var. <i>hesperius</i>	Mcgee Meadows lupine	4					1B.3
Plant	<i>Lupinus magnificus</i> var. <i>magnificus</i>	Panamint Mountains lupine	49					1B.2
Plant	<i>Lupinus milo-bakeri</i>	Milo Baker's lupine	25	CT				1B.1
Plant	<i>Lupinus nipomensis</i>	Nipomo Mesa lupine	8	CE	FE			1B.1
Plant	<i>Lupinus padre-crowleyi</i>	Father Crowley's lupine	39	CR				1B.2
Plant	<i>Lupinus peirsonii</i>	Peirson's lupine	27					1B.3
Plant	<i>Lupinus pusillus</i> var. <i>intermontanus</i>	intermontane lupine	35					2.3

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Lupinus sericatus</i>	Cobb Mountain lupine	86					1B.2
Plant	<i>Lupinus spectabilis</i>	shaggyhair lupine	30					1B.2
Plant	<i>Lupinus tidestromii</i>	Tidestrom's lupine	38	CE	FE			1B.1
Plant	<i>Lupinus uncialis</i>	lilliput lupine	25					2.2
Plant	<i>Lycium brevipes</i> var. <i>hassei</i>	Santa Catalina Island desert-thorn	4					1B.1
Plant	<i>Lycium parishii</i>	Parish's desert-thorn	11					2.3
Plant	<i>Lycopodiella inundata</i>	inundated bog-clubmoss	12					2.2
Plant	<i>Lysimachia thyrsoiflora</i>	tufted loosestrife	36					2.3
Plant	<i>Madia radiata</i>	showy golden madia	161					1B.1
Plant	<i>Malacothamnus abbotii</i>	Abbott's bush-mallow	19					1B.1
Plant	<i>Malacothamnus aboriginum</i>	Indian Valley bush-mallow	105					1B.2
Plant	<i>Malacothamnus arcuatus</i>	arcuate bush-mallow	64					1B.2
Plant	<i>Malacothamnus davidsonii</i>	Davidson's bush-mallow	118					1B.2
Plant	<i>Malacothamnus hallii</i>	Hall's bush-mallow	93					1B.2
Plant	<i>Malacothamnus palmeri</i> var. <i>involucratus</i>	Carmel Valley bush-mallow	87					1B.2
Plant	<i>Malacothamnus palmeri</i> var. <i>lucianus</i>	Arroyo Seco bush-mallow	13					1B.2
Plant	<i>Malacothamnus palmeri</i> var. <i>palmeri</i>	Santa Lucia bush-mallow	38					1B.2
Plant	<i>Malacothamnus parishii</i>	Parish's bush-mallow	17					1A
Plant	<i>Malacothrix saxatilis</i> var. <i>arachnoidea</i>	Carmel Valley malacothrix	61					1B.2
Plant	<i>Malaxis monophyllos</i> ssp. <i>brachypoda</i>	white bog adder's-mouth	4					2.1
Plant	<i>Malperia tenuis</i>	brown turbans	30					2.3
Plant	<i>Marina orcuttii</i> var. <i>orcuttii</i>	California marina	4					1B.3
Plant	<i>Matelea parvifolia</i>	spear-leaf matelea	51					2.3
Plant	<i>Maurandya antirrhiniflora</i> ssp. <i>antirrhiniflora</i>	violet twining snapdragon	15					2.3
Plant	<i>Maurandya petrophila</i>	rock lady	21	CR				1B.2
Plant	<i>Meconella oregana</i>	Oregon meconella	13					1B.1
Plant	<i>Meesia uliginosa</i>	broad-nerved hump moss	79					2.2
Plant	<i>Menodora scabra</i>	rough menodora	26					2.3
Plant	<i>Mentzelia hirsutissima</i>	hairy stickleaf	38					2.3
Plant	<i>Mentzelia inyoensis</i>	Inyo blazing star	39					1B.3
Plant	<i>Mentzelia polita</i>	polished blazing star	5					1B.2
Plant	<i>Mentzelia pterosperma</i>	wing-seed blazing star	3					2.2
Plant	<i>Mentzelia torreyi</i>	Torrey's blazing star	27					2.2

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Mentzelia tridentata</i>	creamy blazing star	70					1B.3
Plant	<i>Mertensia bella</i>	Oregon lungwort	4					2.2
Plant	<i>Mertensia cusickii</i>	Toiyabe bluebells	13					2.2
Plant	<i>Mertensia longiflora</i>	long bluebells	18					2.2
Plant	<i>Mertensia oblongifolia</i> var. <i>amoena</i>	beautiful sagebrush bluebells	50					2.2
Plant	<i>Mertensia oblongifolia</i> var. <i>oblongifolia</i>	sagebrush bluebells	20					2.2
Plant	<i>Micromonolepis pusilla</i>	dwarf monolepis	24					2.3
Plant	<i>Microseris borealis</i>	northern microseris	7					2.1
Plant	<i>Microseris laciniata</i> ssp. <i>detlingii</i>	Detling's silverpuffs	4					2.2
Plant	<i>Microseris paludosa</i>	marsh microseris	96					1B.2
Plant	<i>Mielichhoferia elongata</i>	elongate copper moss	69					2.2
Plant	<i>Mielichhoferia mielichhoferiana</i>	Mielichhofer's copper moss	3					2.3
Plant	<i>Mielichhoferia tehamensis</i>	Lassen Peak copper moss	19					1B.3
Plant	<i>Mimulus cusickii</i>	Cusick's monkeyflower	22					2.3
Plant	<i>Mimulus evanescens</i>	ephemeral monkeyflower	50					1B.2
Plant	<i>Mimulus exiguus</i>	San Bernardino Mountains monkeyflower	47					1B.2
Plant	<i>Mimulus filicaulis</i>	slender-stemmed monkeyflower	77					1B.2
Plant	<i>Mimulus fremontii</i> var. <i>vandenbergensis</i>	Vandenberg monkeyflower	16					1B.1
Plant	<i>Mimulus glabratus</i> ssp. <i>utahensis</i>	Utah monkeyflower	18					2.1
Plant	<i>Mimulus gracilipes</i>	slender-stalked monkeyflower	43					1B.2
Plant	<i>Mimulus mohavensis</i>	Mojave monkeyflower	62					1B.2
Plant	<i>Mimulus norrisii</i>	Kaweah monkeyflower	28					1B.3
Plant	<i>Mimulus parryi</i>	Parry's monkeyflower	50					2.3
Plant	<i>Mimulus pictus</i>	calico monkeyflower	119					1B.2
Plant	<i>Mimulus pulchellus</i>	yellow-lip pansy monkeyflower	134					1B.2
Plant	<i>Mimulus purpureus</i>	little purple monkeyflower	29					1B.2
Plant	<i>Mimulus shevockii</i>	Kelso Creek monkeyflower	27					1B.2
Plant	<i>Mimulus whipplei</i>	Whipple's monkeyflower	3					1A
Plant	<i>Minuartia decumbens</i>	The lassics sandwort	6					1B.2
Plant	<i>Minuartia howellii</i>	Howell's sandwort	56					1B.3

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Minuartia stolonifera</i>	Scott Mountain sandwort	5					1B.3
Plant	<i>Mirabilis coccinea</i>	red four o'clock	14					2.3
Plant	<i>Monarda pectinata</i>	plains bee balm	4					2.3
Plant	<i>Monardella beneolens</i>	sweet-smelling monardella	17					1B.3
Plant	<i>Monardella crispa</i>	crisp monardella	57					1B.2
Plant	<i>Monardella douglasii</i> ssp. <i>venosa</i>	veiny monardella	9					1B.1
Plant	<i>Monardella follettii</i>	Follett's monardella	54					1B.2
Plant	<i>Monardella frutescens</i>	San Luis Obispo monardella	51					1B.2
Plant	<i>Monardella hypoleuca</i> ssp. <i>lanata</i>	felt-leaved monardella	125					1B.2
Plant	<i>Monardella linoides</i> ssp. <i>oblonga</i>	Tehachapi monardella	84					1B.3
Plant	<i>Monardella macrantha</i> ssp. <i>hallii</i>	Hall's monardella	74					1B.3
Plant	<i>Monardella nana</i> ssp. <i>leptosiphon</i>	San Felipe monardella	50					1B.2
Plant	<i>Monardella palmeri</i>	Palmer's monardella	50					1B.2
Plant	<i>Monardella pringlei</i>	Pringle's monardella	6					1A
Plant	<i>Monardella robisonii</i>	Robison's monardella	44					1B.3
Plant	<i>Monardella stebbinsii</i>	Stebbins' monardella	15					1B.2
Plant	<i>Monardella stoneana</i>	Jennifer's monardella	24					1B.2
Plant	<i>Monardella villosa</i> ssp. <i>globosa</i>	robust monardella	104					1B.2
Plant	<i>Monardella viminea</i>	willowy monardella	32	CE	FE			1B.1
Plant	<i>Monolopia congdonii</i>	San Joaquin woollythreads	186		FE			1B.2
Plant	<i>Monotropa uniflora</i>	ghost-pipe	66					2.2
Plant	<i>Montia howellii</i>	Howell's montia	177					2.2
Plant	<i>Muhlenbergia alopecuroides</i>	wolftail	3					2.2
Plant	<i>Muhlenbergia appressa</i>	appressed muhly	7					2.2
Plant	<i>Muhlenbergia arsenei</i>	tough muhly	10					2.3
Plant	<i>Muhlenbergia fragilis</i>	delicate muhly	4					2.3
Plant	<i>Muhlenbergia pauciflora</i>	few-flowered muhly	6					2.3
Plant	<i>Munroa squarrosa</i>	false buffalo-grass	9					2.2
Plant	<i>Myurella julacea</i>	small mousetail moss	7					2.3
Plant	<i>Nama dichotomum</i> var. <i>dichotomum</i>	forked purple mat	4					2.3
Plant	<i>Nama stenocarpum</i>	mud nama	50					2.2
Plant	<i>Nasturtium gambelii</i>	Gambel's water cress	10	CT	FE			1B.1
Plant	<i>Navarretia fossalis</i>	spreading navarretia	136		FT			1B.1

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Navarretia gowenii</i>	Lime Ridge navarretia	8					1B.1
Plant	<i>Navarretia leucocephala</i> ssp. <i>bakeri</i>	Baker's navarretia	126					1B.1
Plant	<i>Navarretia leucocephala</i> ssp. <i>pauciflora</i>	few-flowered navarretia	26	CT	FE			1B.1
Plant	<i>Navarretia leucocephala</i> ssp. <i>plieantha</i>	many-flowered navarretia	24	CE	FE			1B.2
Plant	<i>Navarretia myersii</i> ssp. <i>deminuta</i>	small pincushion navarretia	4					1B.1
Plant	<i>Navarretia myersii</i> ssp. <i>myersii</i>	pincushion navarretia	47					1B.1
Plant	<i>Navarretia nigelliformis</i> ssp. <i>radians</i>	shining navarretia	119					1B.2
Plant	<i>Navarretia ojaiensis</i>	Ojai navarretia	23					1B.1
Plant	<i>Navarretia peninsularis</i>	Baja navarretia	45					1B.2
Plant	<i>Navarretia prostrata</i>	prostrate vernal pool navarretia	89					1B.1
Plant	<i>Navarretia rosulata</i>	Marin County navarretia	25					1B.2
Plant	<i>Navarretia setiloba</i>	Piute Mountains navarretia	25					1B.1
Plant	<i>Nemacaulis denudata</i> var. <i>denudata</i>	coast woolly-heads	77					1B.2
Plant	<i>Nemacaulis denudata</i> var. <i>gracilis</i>	slender cottonheads	134					2.2
Plant	<i>Nemacladus twisselmannii</i>	Twisselmann's nemacladus	6	CR				1B.2
Plant	<i>Nemophila breviflora</i>	Great Basin nemophila	52					2.3
Plant	<i>Neostapfia colusana</i>	Colusa grass	80	CE	FT			1B.1
Plant	<i>Neviusia cliftonii</i>	Shasta snow-wreath	46					1B.2
Plant	<i>Nitrophila mohavensis</i>	Amargosa nitrophila	12	CE	FE			1B.1
Plant	<i>Nolina cismontana</i>	Peninsular nolina	72					1B.2
Plant	<i>Nolina interrata</i>	Dehesa nolina	23	CE				1B.1
Plant	<i>Oenothera californica</i> ssp. <i>eurekaensis</i>	Eureka Dunes evening-primrose	32	CR	FE			1B.2
Plant	<i>Oenothera cavernae</i>	cave evening-primrose	12					2.1
Plant	<i>Oenothera deltoides</i> ssp. <i>howellii</i>	Antioch Dunes evening-primrose	19	CE	FE			1B.1
Plant	<i>Oenothera longissima</i>	long-stem evening-primrose	11					2.2
Plant	<i>Oenothera wolfii</i>	Wolf's evening-primrose	59					1B.1
Plant	<i>Ophioglossum pusillum</i>	northern adder's-tongue	15					2.2
Plant	<i>Opuntia basilaris</i> var. <i>brachyclada</i>	short-joint beavertail	135					1B.2
Plant	<i>Opuntia basilaris</i> var. <i>treleasei</i>	Bakersfield cactus	85	CE	FE			1B.1
Plant	<i>Opuntia californica</i> var. <i>californica</i>	snake cholla	41					1B.1
Plant	<i>Opuntia curvispina</i>	curved-spine beavertail	11					2.2
Plant	<i>Opuntia munzii</i>	Munz's cholla	207					1B.3
Plant	<i>Opuntia pulchella</i>	beautiful cholla	15					2.2

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Orcuttia californica</i>	California Orcutt grass	74	CE	FE			1B.1
Plant	<i>Orcuttia inaequalis</i>	San Joaquin Valley Orcutt grass	76	CE	FT			1B.1
Plant	<i>Orcuttia pilosa</i>	hairy Orcutt grass	64	CE	FE			1B.1
Plant	<i>Orcuttia tenuis</i>	slender Orcutt grass	201	CE	FT			1B.1
Plant	<i>Orcuttia viscida</i>	Sacramento Orcutt grass	22	CE	FE			1B.1
Plant	<i>Oreonana purpurascens</i>	purple mountain-parsley	51					1B.2
Plant	<i>Oreonana vestita</i>	woolly mountain-parsley	52					1B.3
Plant	<i>Oreostemma elatum</i>	tall alpine-aster	35					1B.2
Plant	<i>Ornithostaphylos oppositifolia</i>	Baja California birdbush	4	CE				2.1
Plant	<i>Orobanche ludoviciana</i> var. <i>arenosa</i>	Suksdorf's broom-rape	11					2.3
Plant	<i>Orobanche valida</i> ssp. <i>valida</i>	Rock Creek broomrape	16					1B.2
Plant	<i>Orthocarpus pachystachyus</i>	Shasta orthocarpus	10					1B.1
Plant	<i>Orthotrichum kellmanii</i>	Kellman's bristle moss	9					1B.2
Plant	<i>Orthotrichum shevockii</i>	Shevock's bristle moss	37					1B.3
Plant	<i>Orthotrichum spjutii</i>	Spjut's bristle moss	22					1B.3
Plant	<i>Oryctes nevadensis</i>	Nevada oryctes	58					2.1
Plant	<i>Oryzopsis exigua</i>	little ricegrass	12					2.3
Plant	<i>Osmorhiza depauperata</i>	blunt-fruited sweet-cicely	11					2.3
Plant	<i>Oxytheca watsonii</i>	Watson's oxytheca	9					2.2
Plant	<i>Oxytropis deflexa</i> var. <i>sericea</i>	blue pendent-pod oxytrope	10					2.1
Plant	<i>Oxytropis oreophila</i> var. <i>oreophila</i>	rock-loving oxytrope	7					2.3
Plant	<i>Packera bernardina</i>	San Bernardino ragwort	34					1B.2
Plant	<i>Packera bolanderi</i> var. <i>bolanderi</i>	seacoast ragwort	106					2.2
Plant	<i>Packera eurycephala</i> var. <i>lewisrosei</i>	Lewis Rose's ragwort	66					1B.2
Plant	<i>Packera ganderi</i>	Gander's ragwort	39	CR				1B.2
Plant	<i>Packera hesperia</i>	western ragwort	7					2.2
Plant	<i>Packera indecora</i>	rayless mountain ragwort	58					2.2
Plant	<i>Packera layneae</i>	Layne's ragwort	73	CR	FT			1B.2
Plant	<i>Palafoxia arida</i> var. <i>gigantea</i>	giant spanish-needle	153					1B.3
Plant	<i>Parnassia cirrata</i> var. <i>cirrata</i>	San Bernardino grass-of-Parnassus	25					1B.3
Plant	<i>Parnassia cirrata</i> var. <i>intermedia</i>	Cascade grass-of-Parnassus	27					2.2
Plant	<i>Parnassia parviflora</i>	small-flowered grass-of-Parnassus	16					2.2
Plant	<i>Paronychia ahartii</i>	Ahart's paronychia	128					1B.1

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Pedicularis centranthera</i>	Great Basin lousewort	17					2.3
Plant	<i>Pedicularis crenulata</i>	scalloped-leaved lousewort	5					2.2
Plant	<i>Pedicularis dudleyi</i>	Dudley's lousewort	23	CR				1B.2
Plant	<i>Pellaea truncata</i>	spiny cliff-brake	51					2.3
Plant	<i>Penstemon albomarginatus</i>	white-margined beardtongue	65					1B.1
Plant	<i>Penstemon barnebyi</i>	Barneby's beardtongue	3					2.1
Plant	<i>Penstemon bicolor</i> ssp. <i>roseus</i>	rosy two-toned beardtongue	16					2.3
Plant	<i>Penstemon calcareus</i>	limestone beardtongue	64					1B.3
Plant	<i>Penstemon californicus</i>	California beardtongue	33					1B.2
Plant	<i>Penstemon filiformis</i>	thread-leaved beardtongue	100					1B.3
Plant	<i>Penstemon fruticiformis</i> var. <i>amargosae</i>	Amargosa beardtongue	61					1B.3
Plant	<i>Penstemon janishiae</i>	Janish's beardtongue	33					2.2
Plant	<i>Penstemon newberryi</i> var. <i>sonomensis</i>	Sonoma beardtongue	28					1B.3
Plant	<i>Penstemon pahutensis</i>	Pahute beardtongue	4					2.3
Plant	<i>Penstemon personatus</i>	closed-throated beardtongue	83					1B.2
Plant	<i>Penstemon rattanii</i> var. <i>kleei</i>	Santa Cruz Mountains beardtongue	21					1B.2
Plant	<i>Penstemon stephensii</i>	Stephens' beardtongue	36					1B.3
Plant	<i>Penstemon sudans</i>	Susanville beardtongue	174					1B.3
Plant	<i>Penstemon thompsoniae</i>	Thompson's beardtongue	14					2.3
Plant	<i>Penstemon tracyi</i>	Tracy's beardtongue	10					1B.3
Plant	<i>Penstemon utahensis</i>	Utah beardtongue	45					2.3
Plant	<i>Pentachaeta aurea</i> ssp. <i>allenii</i>	Allen's pentachaeta	23					1B.1
Plant	<i>Pentachaeta bellidiflora</i>	white-rayed pentachaeta	25	CE	FE			1B.1
Plant	<i>Pentachaeta exilis</i> ssp. <i>aeolica</i>	San Benito pentachaeta	33					1B.2
Plant	<i>Pentachaeta lyonii</i>	Lyon's pentachaeta	50	CE	FE			1B.1
Plant	<i>Perideridia parishii</i> ssp. <i>parishii</i>	Parish's yampah	55					2.2
Plant	<i>Perityle inyoensis</i>	Inyo rock daisy	13					1B.2
Plant	<i>Perityle villosa</i>	Hanaupah rock daisy	25					1B.3
Plant	<i>Petalonyx thurberi</i> ssp. <i>gilmanii</i>	Death Valley sandpaper-plant	80					1B.3
Plant	<i>Peteria thompsoniae</i>	spine-noded milk vetch	4					2.3
Plant	<i>Petrophyton caespitosum</i> ssp. <i>acuminatum</i>	marble rockmat	10					1B.3
Plant	<i>Phacelia anelsonii</i>	Aven Nelson's phacelia	15					2.3
Plant	<i>Phacelia argentea</i>	sand dune phacelia	28					1B.1

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Phacelia barnebyana</i>	Barneby's phacelia	25					2.3
Plant	<i>Phacelia ciliata</i> var. <i>opaca</i>	Merced phacelia	24					1B.2
Plant	<i>Phacelia coerulea</i>	sky-blue phacelia	8					2.3
Plant	<i>Phacelia cookei</i>	Cooke's phacelia	18					1B.1
Plant	<i>Phacelia greenei</i>	Scott Valley phacelia	59					1B.2
Plant	<i>Phacelia gymnoclada</i>	naked-stemmed phacelia	12					2.3
Plant	<i>Phacelia insularis</i> var. <i>continentis</i>	North Coast phacelia	31					1B.2
Plant	<i>Phacelia inundata</i>	playa phacelia	33					1B.3
Plant	<i>Phacelia inyoensis</i>	Inyo phacelia	47					1B.2
Plant	<i>Phacelia leonis</i>	Siskiyou phacelia	54					1B.3
Plant	<i>Phacelia monoensis</i>	Mono County phacelia	32					1B.1
Plant	<i>Phacelia mustelina</i>	Death Valley round-leaved phacelia	77					1B.3
Plant	<i>Phacelia nashiana</i>	Charlotte's phacelia	151					1B.2
Plant	<i>Phacelia novemmillensis</i>	Nine Mile Canyon phacelia	52					1B.2
Plant	<i>Phacelia parishii</i>	Parish's phacelia	12					1B.1
Plant	<i>Phacelia perityloides</i> var. <i>jaegeri</i>	Jaeger's phacelia	4					1B.3
Plant	<i>Phacelia phacelioides</i>	Mt. Diablo phacelia	42					1B.2
Plant	<i>Phacelia pulchella</i> var. <i>gooddingii</i>	Goodding's phacelia	3					2.3
Plant	<i>Phacelia sericea</i> var. <i>ciliosa</i>	blue alpine phacelia	32					2.3
Plant	<i>Phacelia stebbinsii</i>	Stebbins' phacelia	105					1B.2
Plant	<i>Phacelia stellaris</i>	Brand's star phacelia	27		FC			1B.1
Plant	<i>Phacelia suaveolens</i> ssp. <i>keckii</i>	Santiago Peak phacelia	13					1B.3
Plant	<i>Phaseolus filiformis</i>	slender-stem bean	5					2.3
Plant	<i>Phlox dolichantha</i>	Big Bear Valley phlox	51					1B.2
Plant	<i>Phlox hirsuta</i>	Yreka phlox	17	CE	FE			1B.2
Plant	<i>Phlox muscoides</i>	squarestem phlox	79					2.3
Plant	<i>Pholisma sonorae</i>	sand food	143					1B.2
Plant	<i>Pholistoma auritum</i> var. <i>arizonicum</i>	Arizona pholistoma	21					2.3
Plant	<i>Physalis lobata</i>	lobed ground-cherry	13					2.3
Plant	<i>Physaria chambersii</i>	Chambers' physaria	14					2.3
Plant	<i>Physaria ludoviciana</i>	silver bladderpod	4					2.2
Plant	<i>Physocarpus alternans</i>	Nevada ninebark	37					2.3
Plant	<i>Picea engelmannii</i>	Engelmann spruce	32					2.2

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Pinguicula macroceras</i>	horned butterwort	61					2.2
Plant	<i>Pinus contorta</i> ssp. <i>bolanderi</i>	Bolander's beach pine	41					1B.2
Plant	<i>Pinus radiata</i>	Monterey pine	84					1B.1
Plant	<i>Pinus torreyana</i> ssp. <i>torreyana</i>	torrey pine	8					1B.2
Plant	<i>Piperia candida</i>	white-flowered rein orchid	174					1B.2
Plant	<i>Piperia elegans</i> ssp. <i>decurtata</i>	Point Reyes rein orchid	7					1B.1
Plant	<i>Piperia yadonii</i>	Yadon's rein orchid	50		FE			1B.1
Plant	<i>Piptatherum micranthum</i>	small-flowered rice grass	16					2.3
Plant	<i>Plagiobothrys chorisianus</i> var. <i>chorisianus</i>	Choris' popcorn-flower	46					1B.2
Plant	<i>Plagiobothrys diffusus</i>	San Francisco popcorn-flower	34	CE				1B.1
Plant	<i>Plagiobothrys glaber</i>	hairless popcorn-flower	3					1A
Plant	<i>Plagiobothrys hystriculus</i>	bearded popcorn-flower	21					1B.1
Plant	<i>Plagiobothrys lithocaryus</i>	Mayacamas popcorn-flower	8					1A
Plant	<i>Plagiobothrys parishii</i>	Parish's popcorn-flower	26					1B.1
Plant	<i>Plagiobothrys salsus</i>	desert popcorn-flower	18					2.2
Plant	<i>Plagiobothrys strictus</i>	Calistoga popcorn-flower	10	CT	FE			1B.1
Plant	<i>Plagiobothrys torreyi</i> var. <i>torreyi</i>	Yosemite popcorn-flower	16					1B.2
Plant	<i>Plagiobothrys uncinatus</i>	hooked popcorn-flower	58					1B.2
Plant	<i>Platanthera yosemitensis</i>	Yosemite bog orchid	11					1B.2
Plant	<i>Pleuropogon hooverianus</i>	North Coast semaphore grass	55	CT				1B.1
Plant	<i>Poa abbreviata</i> ssp. <i>marshii</i>	Marsh's blue grass	4					2.3
Plant	<i>Poa abbreviata</i> ssp. <i>pattersonii</i>	Patterson's blue grass	4					2.3
Plant	<i>Poa atropurpurea</i>	San Bernardino blue grass	63		FE			1B.2
Plant	<i>Poa diaboli</i>	Diablo Canyon blue grass	11					1B.2
Plant	<i>Poa lettermanii</i>	Letterman's blue grass	13					2.3
Plant	<i>Poa napensis</i>	Napa blue grass	9	CE	FE			1B.1
Plant	<i>Pogogyne abramsii</i>	San Diego mesa mint	35	CE	FE			1B.1
Plant	<i>Pogogyne clareana</i>	Santa Lucia mint	15	CE				1B.2
Plant	<i>Pogogyne floribunda</i>	profuse-flowered pogogyne	249					1B.2
Plant	<i>Pogogyne nudiuscula</i>	Otay Mesa mint	18	CE	FE			1B.1
Plant	<i>Pohlia tundrae</i>	tundra thread moss	18					2.3
Plant	<i>Polemonium carneum</i>	Oregon polemonium	63					2.2
Plant	<i>Polemonium chartaceum</i>	Mason's sky pilot	31					1B.3

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Poliomintha incana</i>	frosted mint	3					1A
Plant	<i>Polycstenium williamsiae</i>	Williams' combleaf	20					1B.2
Plant	<i>Polygala acanthoclada</i>	thorny milkwort	25					2.3
Plant	<i>Polygala heterorhyncha</i>	notch-beaked milkwort	10					2.3
Plant	<i>Polygala intermontana</i>	intermountain milkwort	11					2.3
Plant	<i>Polygala subspinosa</i>	spiny milkwort	124					2.2
Plant	<i>Polygonum hickmanii</i>	Scotts Valley polygonum	5	CE	FE			1B.1
Plant	<i>Polygonum polygaloides</i> ssp. <i>esotericum</i>	Modoc County knotweed	12					1B.1
Plant	<i>Populus angustifolia</i>	narrow-leaved cottonwood	28					2.2
Plant	<i>Potamogeton epihydrus</i> ssp. <i>nuttallii</i>	Nuttall's ribbon-leaved pondweed	70					2.2
Plant	<i>Potamogeton filiformis</i>	slender-leaved pondweed	79					2.2
Plant	<i>Potamogeton foliosus</i> var. <i>fibrillosus</i>	fibrous pondweed	4					2.3
Plant	<i>Potamogeton praelongus</i>	white-stemmed pondweed	15					2.3
Plant	<i>Potamogeton robbinsii</i>	Robbins' pondweed	36					2.3
Plant	<i>Potamogeton zosteriformis</i>	eel-grass pondweed	44					2.2
Plant	<i>Potentilla basaltica</i>	Black Rock potentilla	4		FC			1B.3
Plant	<i>Potentilla concinna</i>	early elegant cinquefoil	3					2.3
Plant	<i>Potentilla cristae</i>	crested potentilla	23					1B.3
Plant	<i>Potentilla glandulosa</i> ssp. <i>ewanii</i>	Ewan's cinquefoil	10					1B.3
Plant	<i>Potentilla gracilis</i> var. <i>pulcherrima</i>	white-leaved cinquefoil	3					2.2
Plant	<i>Potentilla hickmanii</i>	Hickman's cinquefoil	13	CE	FE			1B.1
Plant	<i>Potentilla morefieldii</i>	Morefield's cinquefoil	29					1B.3
Plant	<i>Potentilla newberryi</i>	Newberry's cinquefoil	56					2.3
Plant	<i>Potentilla rimicola</i>	cliff cinquefoil	15					2.3
Plant	<i>Prunus eremophila</i>	Mojave Desert plum	20					1B.2
Plant	<i>Pseudobahia bahiifolia</i>	Hartweg's golden sunburst	38	CE	FE			1B.1
Plant	<i>Pseudobahia peirsonii</i>	San Joaquin adobe sunburst	86	CE	FT			1B.1
Plant	<i>Pseudognaphalium leucocephalum</i>	white rabbit-tobacco	82					2.2
Plant	<i>Psoralidium lanceolatum</i>	lance-leaved scurf-pea	34					2.3
Plant	<i>Psorothamnus fremontii</i> var. <i>attenuatus</i>	narrow-leaved psorothamnus	39					2.3
Plant	<i>Puccinellia howellii</i>	Howell's alkali grass	4					1B.1
Plant	<i>Puccinellia parishii</i>	Parish's alkali grass	4					1B.1
Plant	<i>Puccinellia pumila</i>	dwarf alkali grass	7					2.2

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Pyrocoma lucida</i>	sticky pyrocoma	117					1B.2
Plant	<i>Pyrocoma racemosa</i> var. <i>congesta</i>	Del Norte pyrocoma	36					2.3
Plant	<i>Pyrocoma uniflora</i> var. <i>gossypina</i>	Bear Valley pyrocoma	35					1B.2
Plant	<i>Quercus cedrosensis</i>	Cedros Island oak	18					2.2
Plant	<i>Quercus dumosa</i>	Nuttall's scrub oak	103					1B.1
Plant	<i>Quercus parvula</i> var. <i>tamalpaisensis</i>	Tamalpais oak	22					1B.3
Plant	<i>Raillardella pringlei</i>	showy raillardella	66					1B.2
Plant	<i>Ranunculus hydrocharoides</i>	frog's-bit buttercup	4					2.1
Plant	<i>Ranunculus macounii</i>	Macoun's buttercup	11					2.2
Plant	<i>Rhamnus alnifolia</i>	alder buckthorn	47					2.2
Plant	<i>Rhus trilobata</i> var. <i>simplicifolia</i>	single-leaved skunkbrush	11					2.3
Plant	<i>Rhynchospora alba</i>	white beaked-rush	42					2.2
Plant	<i>Rhynchospora californica</i>	California beaked-rush	23					1B.1
Plant	<i>Rhynchospora capitellata</i>	brownish beaked-rush	57					2.2
Plant	<i>Rhynchospora globularis</i> var. <i>globularis</i>	round-headed beaked-rush	5					2.1
Plant	<i>Ribes canthariforme</i>	Moreno currant	42					1B.3
Plant	<i>Ribes divaricatum</i> var. <i>parishii</i>	Parish's gooseberry	5					1A
Plant	<i>Ribes hudsonianum</i> var. <i>petiolare</i>	western black currant	10					2.3
Plant	<i>Ribes menziesii</i> var. <i>ixoderme</i>	aromatic canyon gooseberry	21					1B.2
Plant	<i>Ribes tularense</i>	Sequoia gooseberry	26					1B.3
Plant	<i>Ribes viburnifolium</i>	Santa Catalina Island currant	4					1B.2
Plant	<i>Robinia neomexicana</i>	New Mexico locust	7					2.3
Plant	<i>Romanzoffia tracyi</i>	Tracy's romanzoffia	12					2.3
Plant	<i>Rorippa columbiae</i>	Columbia yellow cress	43					1B.2
Plant	<i>Rorippa subumbellata</i>	Tahoe yellow cress	32	CE	FC			1B.1
Plant	<i>Rosa pinetorum</i>	pine rose	29					1B.2
Plant	<i>Rubus glaucifolius</i> var. <i>ganderi</i>	Cuyamaca raspberry	4					1B.3
Plant	<i>Rubus nivalis</i>	snow dwarf bramble	5					2.3
Plant	<i>Rumex venosus</i>	winged dock	4					2.3
Plant	<i>Rupertia hallii</i>	Hall's rupertia	46					1B.2
Plant	<i>Sagittaria sanfordii</i>	Sanford's arrowhead	179					1B.2
Plant	<i>Salix bebbiana</i>	Bebb's willow	7					2.3
Plant	<i>Salix brachycarpa</i> ssp. <i>brachycarpa</i>	short-fruited willow	15					2.3

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Salix nivalis</i>	snow willow	27					2.3
Plant	<i>Saltugilia latimeri</i>	Latimer's woodland-gilia	80					1B.2
Plant	<i>Salvia greatae</i>	Orocopia sage	53					1B.3
Plant	<i>Salvia munzii</i>	Munz's sage	51					2.2
Plant	<i>Sanguisorba officinalis</i>	great burnet	59					2.2
Plant	<i>Sanicula maritima</i>	adobe sanicle	35	CR				1B.1
Plant	<i>Sanicula saxatilis</i>	rock sanicle	17	CR				1B.2
Plant	<i>Sanvitalia abertii</i>	Abert's sanvitalia	5					2.2
Plant	<i>Sarcocornia utahensis</i>	Utah glasswort	7					2.2
Plant	<i>Satureja chandleri</i>	San Miguel savory	60					1B.2
Plant	<i>Saussurea americana</i>	American saw-wort	7					2.2
Plant	<i>Saxifraga cespitosa</i>	tufted saxifrage	7					2.3
Plant	<i>Saxifraga nuttallii</i>	Nuttall's saxifrage	4					2.1
Plant	<i>Saxifraga rufidula</i>	red-wool saxifrage	3					2.3
Plant	<i>Scheuchzeria palustris</i> var. <i>americana</i>	American scheuchzeria	6					2.1
Plant	<i>Schizymerium shevockii</i>	Shevock's copper moss	27					1B.2
Plant	<i>Schkuhria multiflora</i> var. <i>multiflora</i>	many-flowered schkuhria	10					2.3
Plant	<i>Schoenoplectus heterochaetus</i>	slender bulrush	5					2.3
Plant	<i>Schoenoplectus subterminalis</i>	water bulrush	70					2.3
Plant	<i>Schoenus nigricans</i>	black bog-rush	34					2.2
Plant	<i>Scirpus pendulus</i>	pendulous bulrush	7					2.2
Plant	<i>Sclerocactus johnsonii</i>	Johnson's bee-hive cactus	26					2.2
Plant	<i>Scleropogon brevifolius</i>	burro grass	5					2.3
Plant	<i>Scopelophila cataractae</i>	tongue-leaf copper moss	4					2.2
Plant	<i>Scrophularia atrata</i>	black-flowered figwort	104					1B.2
Plant	<i>Scutellaria bolanderi</i> ssp. <i>austromontana</i>	southern mountains skullcap	73					1B.2
Plant	<i>Scutellaria galericulata</i>	marsh skullcap	99					2.2
Plant	<i>Scutellaria lateriflora</i>	side-flowering skullcap	4					2.2
Plant	<i>Sedella leiocarpa</i>	Lake County stonecrop	20	CE	FE			1B.1
Plant	<i>Sedum albomarginatum</i>	Feather River stonecrop	30					1B.2
Plant	<i>Sedum divergens</i>	Cascade stonecrop	12					2.3
Plant	<i>Sedum eastwoodiae</i>	Red Mountain stonecrop	12		FC			1B.2
Plant	<i>Sedum oblancheolatum</i>	Applegate stonecrop	18					1B.1

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Sedum paradisum</i>	Canyon Creek stonecrop	14					1B.3
Plant	<i>Selaginella eremophila</i>	desert spike-moss	76					2.2
Plant	<i>Selinocarpus nevadensis</i>	desert wing-fruit	4					2.3
Plant	<i>Senecio aphanactis</i>	chaparral ragwort	125					2.2
Plant	<i>Senecio clevelandii</i> var. <i>heterophyllus</i>	Red Hills ragwort	17					1B.2
Plant	<i>Senecio pattersonensis</i>	Mount Patterson senecio	22					1B.3
Plant	<i>Senna covesii</i>	Coves' cassia	96					2.2
Plant	<i>Shepherdia canadensis</i>	Canadian buffalo-berry	4					2.2
Plant	<i>Sibaropsis hammittii</i>	Hammitt's clay-cress	18					1B.2
Plant	<i>Sidalcea calycosa</i> ssp. <i>rhizomata</i>	Point Reyes checkerbloom	67					1B.2
Plant	<i>Sidalcea covillei</i>	Owens Valley checkerbloom	108	CE				1B.1
Plant	<i>Sidalcea hickmanii</i> ssp. <i>anomala</i>	Cuesta Pass checkerbloom	9	CR				1B.2
Plant	<i>Sidalcea hickmanii</i> ssp. <i>hickmanii</i>	Hickman's checkerbloom	50					1B.3
Plant	<i>Sidalcea hickmanii</i> ssp. <i>napensis</i>	Napa checkerbloom	8					1B.1
Plant	<i>Sidalcea hickmanii</i> ssp. <i>parishii</i>	Parish's checkerbloom	55	CR				1B.2
Plant	<i>Sidalcea hickmanii</i> ssp. <i>pillsburiensis</i>	Lake Pillsbury checkerbloom	4					1B.2
Plant	<i>Sidalcea hickmanii</i> ssp. <i>viridis</i>	Marin checkerbloom	13					1B.3
Plant	<i>Sidalcea keckii</i>	Keck's checkerbloom	67		FE			1B.1
Plant	<i>Sidalcea malviflora</i> ssp. <i>patula</i>	Siskiyou checkerbloom	113					1B.2
Plant	<i>Sidalcea malviflora</i> ssp. <i>purpurea</i>	purple-stemmed checkerbloom	62					1B.2
Plant	<i>Sidalcea multifida</i>	cut-leaf checkerbloom	44					2.3
Plant	<i>Sidalcea neomexicana</i>	Salt Spring checkerbloom	57					2.2
Plant	<i>Sidalcea oregana</i> ssp. <i>eximia</i>	coast sidalcea	62					1B.2
Plant	<i>Sidalcea oregana</i> ssp. <i>hydrophila</i>	marsh checkerbloom	54					1B.2
Plant	<i>Sidalcea oregana</i> ssp. <i>valida</i>	Kenwood Marsh checkerbloom	8	CE	FE			1B.1
Plant	<i>Sidalcea pedata</i>	bird-foot checkerbloom	26	CE	FE			1B.1
Plant	<i>Sidalcea robusta</i>	Butte County checkerbloom	58					1B.2
Plant	<i>Sidalcea stipularis</i>	Scadden Flat checkerbloom	8	CE				1B.1
Plant	<i>Sidotheca emarginata</i>	white-margined oxytheca	23					1B.3
Plant	<i>Silene marmorensis</i>	Marble Mountain campion	71					1B.2
Plant	<i>Silene occidentalis</i> ssp. <i>longistipitata</i>	long-stiped campion	37					1B.2
Plant	<i>Silene oregana</i>	Oregon campion	19					2.3
Plant	<i>Silene salmonacea</i>	Klamath Mountain catchfly	14					1B.2

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Silene serpentinicola</i>	serpentine catchfly	41					1B.2
Plant	<i>Silene suksdorfii</i>	Cascade alpine campion	21					2.3
Plant	<i>Silene verecunda</i> ssp. <i>verecunda</i>	San Francisco campion	29					1B.2
Plant	<i>Sisyrinchium funereum</i>	Death Valley blue-eyed grass	28					1B.3
Plant	<i>Sisyrinchium hitchcockii</i>	Hitchcock's blue-eyed grass	4					1B.1
Plant	<i>Sisyrinchium longipes</i>	timberland blue-eyed grass	4					2.2
Plant	<i>Smelowskia ovalis</i> var. <i>congesta</i>	Lassen Peak smelowskia	6					1B.2
Plant	<i>Smilax jamesii</i>	English Peak greenbriar	171					1B.3
Plant	<i>Solidago gigantea</i>	giant goldenrod	8					2.2
Plant	<i>Spergularia canadensis</i> var. <i>occidentalis</i>	western sand-spurrey	19					2.1
Plant	<i>Spermolepis echinata</i>	bristly scaleseed	31					2.3
Plant	<i>Sphaeralcea grossulariifolia</i> ssp. <i>grossulariifolia</i>	currant-leaved desert mallow	31					2.3
Plant	<i>Sphaeralcea munroana</i>	Munro's desert mallow	4					2.2
Plant	<i>Sphaeralcea rusbyi</i> var. <i>eremicola</i>	Rusby's desert-mallow	64					1B.2
Plant	<i>Sphaerocarpos drewei</i>	bottle liverwort	13					1B.1
Plant	<i>Sphaeromeria potentilloides</i> var. <i>nitrophila</i>	alkali tansy-sage	19					2.2
Plant	<i>Sphagnum strictum</i>	pale peat moss	3					2.3
Plant	<i>Sphenopholis obtusata</i>	prairie wedge grass	39					2.2
Plant	<i>Stachys palustris</i> ssp. <i>pilosa</i>	hairy marsh hedge-nettle	43					2.3
Plant	<i>Stanleya viridiflora</i>	green-flowered prince's plume	19					2.3
Plant	<i>Stebbinsoseris decipiens</i>	Santa Cruz microseris	38					1B.2
Plant	<i>Stellaria longifolia</i>	long-leaved starwort	29					2.2
Plant	<i>Stemodia durantifolia</i>	purple stemodia	78					2.1
Plant	<i>Stenotus lanuginosus</i>	woolly stenotus	43					2.2
Plant	<i>Streptanthus albidus</i> ssp. <i>albidus</i>	Metcalf Canyon jewel-flower	39		FE			1B.1
Plant	<i>Streptanthus albidus</i> ssp. <i>peramoenus</i>	most beautiful jewel-flower	206					1B.2
Plant	<i>Streptanthus batrachopus</i>	Tamalpais jewel-flower	12					1B.3
Plant	<i>Streptanthus brachiatus</i> ssp. <i>brachiatus</i>	Socrates Mine jewel-flower	20					1B.2
Plant	<i>Streptanthus brachiatus</i> ssp. <i>hoffmanii</i>	Freed's jewel-flower	26					1B.2
Plant	<i>Streptanthus breweri</i> var. <i>hesperidis</i>	green jewel-flower	80					1B.2
Plant	<i>Streptanthus callistus</i>	Mt. Hamilton jewel-flower	7					1B.3
Plant	<i>Streptanthus campestris</i>	southern jewel-flower	81					1B.3
Plant	<i>Streptanthus cordatus</i> var. <i>piutensis</i>	Piute Mountains jewel-flower	21					1B.2

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Streptanthus fenestratus</i>	Tehipite Valley jewel-flower	32					1B.3
Plant	<i>Streptanthus glandulosus</i> ssp. <i>pulchellus</i>	Mount Tamalpais bristly jewel-flower	30					1B.2
Plant	<i>Streptanthus glandulosus</i> var. <i>hoffmanii</i>	Hoffman's bristly jewel-flower	6					1B.3
Plant	<i>Streptanthus gracilis</i>	alpine jewel-flower	69					1B.3
Plant	<i>Streptanthus hispidus</i>	Mt. Diablo jewel-flower	11					1B.3
Plant	<i>Streptanthus howellii</i>	Howell's jewel-flower	49					1B.2
Plant	<i>Streptanthus insignis</i> ssp. <i>lyonii</i>	Arburua Ranch jewel-flower	36					1B.2
Plant	<i>Streptanthus niger</i>	Tiburon jewel-flower	6	CE	FE			1B.1
Plant	<i>Streptanthus oliganthus</i>	Masonic Mountain jewel-flower	44					1B.2
Plant	<i>Streptanthus vernalis</i>	early jewel-flower	4					1B.2
Plant	<i>Stylocline citroleum</i>	oil neststraw	73					1B.1
Plant	<i>Stylocline masonii</i>	Mason's neststraw	26					1B.1
Plant	<i>Stylocline sonorensis</i>	mesquite neststraw	3					1A
Plant	<i>Suaeda californica</i>	California seablite	42		FE			1B.1
Plant	<i>Suaeda esteroa</i>	estuary seablite	91					1B.2
Plant	<i>Suaeda occidentalis</i>	western seablite	18					2.3
Plant	<i>Suksdorfia ranunculifolia</i>	buttercup-leaf suksdorfia	29					2
Plant	<i>Swallenia alexandrae</i>	Eureka Valley dune grass	21	CR	FE			1B.2
Plant	<i>Swertia umpquaensis</i>	Umpqua green-gentian	14					2.2
Plant	<i>Symphyotrichum defoliatum</i>	San Bernardino aster	133					1B.2
Plant	<i>Symphyotrichum greatae</i>	Greata's aster	131					1B.3
Plant	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	230					1B.2
Plant	<i>Synthyris missurica</i> ssp. <i>missurica</i>	kitten-tails	31					2.3
Plant	<i>Taraxacum californicum</i>	California dandelion	75		FE			1B.1
Plant	<i>Taraxacum ceratophorum</i>	horned dandelion	4					2.1
Plant	<i>Tauschia howellii</i>	Howell's tauschia	15					1B.3
Plant	<i>Tetracoccus dioicus</i>	Parry's tetracoccus	85					1B.2
Plant	<i>Tetracoccus ilicifolius</i>	holly-leaved tetracoccus	26					1B.3
Plant	<i>Tetradymia tetrameres</i>	dune horsebrush	39					2.2
Plant	<i>Teucrium cubense</i> ssp. <i>depressum</i>	dwarf germander	16					2.2
Plant	<i>Teucrium glandulosum</i>	desert germander	14					2.3
Plant	<i>Thelypodium howellii</i> ssp. <i>howellii</i>	Howell's thelypodium	43					1B.2
Plant	<i>Thelypodium integrifolium</i> ssp. <i>complanatum</i>	foxtail thelypodium	39					2.2

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Thelypodium milleflorum</i>	many-flowered thelypodium	47					2.2
Plant	<i>Thelypodium stenopetalum</i>	slender-petaled thelypodium	23	CE	FE			1B.1
Plant	<i>Thelypteris puberula</i> var. <i>sonorensis</i>	Sonoran maiden fern	46					2.2
Plant	<i>Thermopsis californica</i> var. <i>semota</i>	velvety false lupine	69					1B.2
Plant	<i>Thermopsis macrophylla</i>	Santa Ynez false lupine	11	CR				1B.3
Plant	<i>Thermopsis robusta</i>	robust false lupine	128					1B.2
Plant	<i>Thlaspi californicum</i>	Kneeland Prairie pennycress	4		FE			1B.1
Plant	<i>Tonestus lyallii</i>	Lyall's tonestus	10					2.3
Plant	<i>Tortella alpicola</i>	alpine crisp moss	3					2.3
Plant	<i>Tortula californica</i>	California screw moss	22					1B.2
Plant	<i>Townsendia condensata</i>	cushion townsendia	27					2.3
Plant	<i>Townsendia leptotes</i>	slender townsendia	14					2.3
Plant	<i>Tracyina rostrata</i>	beaked tracyina	38					1B.2
Plant	<i>Trichocoronis wrightii</i> var. <i>wrightii</i>	Wright's trichocoronis	24					2.1
Plant	<i>Trichodon cylindricus</i>	cylindrical trichodon	47					2.2
Plant	<i>Trichophorum pumilum</i>	little bulrush	9					2.2
Plant	<i>Trichostema austromontanum</i> ssp. <i>compactum</i>	Hidden Lake bluecurls	3		FT			1B.1
Plant	<i>Trientalis arctica</i>	arctic starflower	9					2.2
Plant	<i>Trifolium amoenum</i>	showy rancheria clover	58		FE			1B.1
Plant	<i>Trifolium bolanderi</i>	Bolander's clover	53					1B.2
Plant	<i>Trifolium buckwestiorum</i>	Santa Cruz clover	57					1B.1
Plant	<i>Trifolium dedeckerae</i>	Dedecker's clover	45					1B.3
Plant	<i>Trifolium depauperatum</i> var. <i>hydrophilum</i>	saline clover	52					1B.2
Plant	<i>Trifolium gymnocarpon</i> var. <i>plummerae</i>	Plummer's clover	30					2.3
Plant	<i>Trifolium jokerstii</i>	Butte County golden clover	20					1B.2
Plant	<i>Trifolium polyodon</i>	Pacific Grove clover	24	CR				1B.1
Plant	<i>Trifolium trichocalyx</i>	Monterey clover	5	CE	FE			1B.1
Plant	<i>Triglochin palustris</i>	marsh arrow-grass	30					2.3
Plant	<i>Triphysaria floribunda</i>	San Francisco owl's-clover	64					1B.2
Plant	<i>Tripterocalyx crux-maltae</i>	Kellogg's sand-verbena	3					2.2
Plant	<i>Tripterocalyx micranthus</i>	small-flowered sand-verbena	10					2.3
Plant	<i>Triquetrella californica</i>	coastal triquetrella	37					1B.2
Plant	<i>Triteleia grandiflora</i> var. <i>howellii</i>	Howell's triteleia	13					2.1

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Plant	<i>Triteleia hendersonii</i> var. <i>hendersonii</i>	Henderson's triteleia	4					2.2
Plant	<i>Triteleia ixioides</i> ssp. <i>cookii</i>	Cook's triteleia	29					1B.3
Plant	<i>Tropidocarpum californicum</i>	Kings gold	4					1B.1
Plant	<i>Tropidocarpum capparideum</i>	caper-fruited tropidocarpum	30					1B.1
Plant	<i>Tuctoria greenei</i>	Greene's tuctoria	72	CR	FE			1B.1
Plant	<i>Tuctoria mucronata</i>	Crampton's tuctoria or Solano grass	8	CE	FE			1B.1
Plant	<i>Utricularia intermedia</i>	flat-leaved bladderwort	54					2.2
Plant	<i>Utricularia ochroleuca</i>	cream-flowered bladderwort	22					2.2
Plant	<i>Vaccinium scoparium</i>	little-leaved huckleberry	43					2.2
Plant	<i>Valeriana occidentalis</i>	western valerian	13					2.3
Plant	<i>Verbena californica</i>	Red Hills vervain	20	CT	FT			1B.1
Plant	<i>Verbesina dissita</i>	big-leaved crownbeard	12	CT	FT			1B.1
Plant	<i>Viburnum ellipticum</i>	oval-leaved viburnum	106					2.3
Plant	<i>Viguiera purisimae</i>	La Purisima viguiera	5					2.3
Plant	<i>Viola aurea</i>	golden violet	39					2.2
Plant	<i>Viola langsdorfii</i>	Langsdorf's violet	7					2.1
Plant	<i>Viola palustris</i>	alpine marsh violet	31					2.2
Plant	<i>Viola pinetorum</i> ssp. <i>grisea</i>	grey-leaved violet	68					1B.3
Plant	<i>Viola primulifolia</i> ssp. <i>occidentalis</i>	western white bog violet	39					1B.2
Plant	<i>Wislizenia refracta</i> ssp. <i>refracta</i>	jackass-clover	18					2.2
Plant	<i>Wolffia brasiliensis</i>	Brazilian watermeal	15					2.3
Plant	<i>Woodsia plummerae</i>	Plummer's woodsia	4					2.3
Plant	<i>Wyethia reticulata</i>	El Dorado County mule ears	28					1B.2
Plant	<i>Xylorhiza cognata</i>	Mecca-aster	44					1B.2
Plant	<i>Xylorhiza orcuttii</i>	Orcutt's woody-aster	89					1B.2
Reptile	<i>Actinemys marmorata</i>	western pond turtle	2195			X		
Reptile	<i>Actinemys marmorata marmorata</i>	northwestern pond turtle	1419			X		
Reptile	<i>Actinemys marmorata pallida</i>	southwestern pond turtle	1205			X		
Reptile	<i>Anniella pulchra nigra</i>	black legless lizard	51			X		
Reptile	<i>Anniella pulchra pulchra</i>	silvery legless lizard	204			X		
Reptile	<i>Aspidoscelis hyperythra</i>	orange-throated whiptail	909			X		
Reptile	<i>Bogertophis rosaliae</i>	Baja California rat snake	4			X		
Reptile	<i>Charina umbratica</i>	southern rubber boa	66	CT				

Appendix D. List of rare species included in ACE-II rare species richness and rarity-weighted richness (continued).

Taxa Group	Scientific Name	Common Name	Hex Count	State Status	Federal Status	DFG SSC	DFG FP	CNPS LIST
Reptile	<i>Coleonyx switaki</i>	barefoot banded gecko	42	CT				
Reptile	<i>Crotalus ruber ruber</i>	northern red-diamond rattlesnake	403			X		
Reptile	<i>Elgaria panamintina</i>	Panamint alligator lizard	72			X		
Reptile	<i>Gambelia sila</i>	blunt-nosed leopard lizard	1139	CE	FE		X	
Reptile	<i>Gopherus agassizii</i>	desert tortoise	4722	CT	FT			
Reptile	<i>Heloderma suspectum cinctum</i>	banded gila monster	32			X		
Reptile	<i>Kinosternon sonoriense</i>	Sonoran mud turtle	25			X		
Reptile	<i>Lampropeltis zonata parvirubra</i>	San Bernardino mountain kingsnake	31			X		
Reptile	<i>Lampropeltis zonata pulchra</i>	San Diego mountain kingsnake	52			X		
Reptile	<i>Masticophis flagellum ruddocki</i>	San Joaquin whipsnake	289			X		
Reptile	<i>Masticophis lateralis euryxanthus</i>	Alameda whipsnake	159	CT	FT			
Reptile	<i>Phrynosoma blainvillii</i>	Blainville's horned lizard	2917			X		
Reptile	<i>Phrynosoma mcallii</i>	flat-tailed horned lizard	501			X		
Reptile	<i>Plestiodon skiltonianus interparietalis</i>	Coronado skink	177			X		
Reptile	<i>Salvadora hexalepis virgultea</i>	coast patch-nosed snake	146			X		
Reptile	<i>Thamnophis gigas</i>	giant garter snake	517	CT	FT			
Reptile	<i>Thamnophis hammondi</i>	two-striped garter snake	844			X		
Reptile	<i>Thamnophis sirtalis</i> ssp.	south coast garter snake	11			X		
Reptile	<i>Thamnophis sirtalis tetrataenia</i>	San Francisco garter snake	85	CE	FE		X	
Reptile	<i>Uma inornata</i>	Coachella Valley fringe-toed lizard	182	CE	FT			
Reptile	<i>Uma notata</i>	Colorado Desert fringe-toed lizard	141			X		
Reptile	<i>Uma scoparia</i>	Mojave fringe-toed lizard	274			X		
Reptile	<i>Xantusia gracilis</i>	sandstone night lizard	5			X		
Reptile	<i>Xantusia vigilis sierrae</i>	Sierra night lizard	13			X		