

1795

# State Cooperative Soil - Vegetation Survey

CALIFORNIA DIVISION OF FORESTRY  
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PACIFIC SOUTHWEST FOREST AND RANGE EXPERIMENT STATION  
Forest Service, U.S. Department of Agriculture  
DIVISION OF AGRICULTURAL SCIENCES  
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## SOME VASCULAR PLANTS OF EASTERN SHASTA COUNTY, CALIFORNIA

James R. Griffin and W. Robert Powell

Recent field work in Shasta County, California, has produced much descriptive soil and vegetation information. This note summarizes some of the floristic aspects of the work. With emphasis on volcanic uplands in the eastern half of the county (figure 1), it lists the vascular plants found in foothill woodlands and middle-elevation mixed conifer forests. Subalpine forests are not included since our field work did not cover them. Some plants of higher elevations are covered by the excellent flora of Lassen Volcanic National Park (Gillett et al., 1961).

This list is only preliminary. It is most complete for woody plants in dry upland habitats. Riparian vegetation was sampled only incidentally, although most of the obvious plants between elevations of 500 and 6,000 feet are included. The list should encourage a more definitive floristic survey of this interesting area.

Species records from 200 soil-vegetation plots by Powell form a major part of the list. The coverage is broadened by plants found on 36 vegetation plots during a soil moisture survey by Griffin (1967). Additional species come from notes and maps of the State Cooperative Soil-Vegetation Survey (Gladish and Mallory, 1964; Mallory et al., 1965, 1965a, 1965b, 1965c, 1966; and not yet published). A few species in the literature (Haworth et al., 1966; Kuijt, 1960; Sprague, 1962) came to our attention, but we made no attempt to review the literature. Finally, special local collections from several botanically interesting spots in the region are used (figure 1).

The plants are listed in table 1 in alphabetical order by genus. Included are 756 species and 27 plants identified to genus only. Table 2 lists the 85 families and 333 genera represented by these species.

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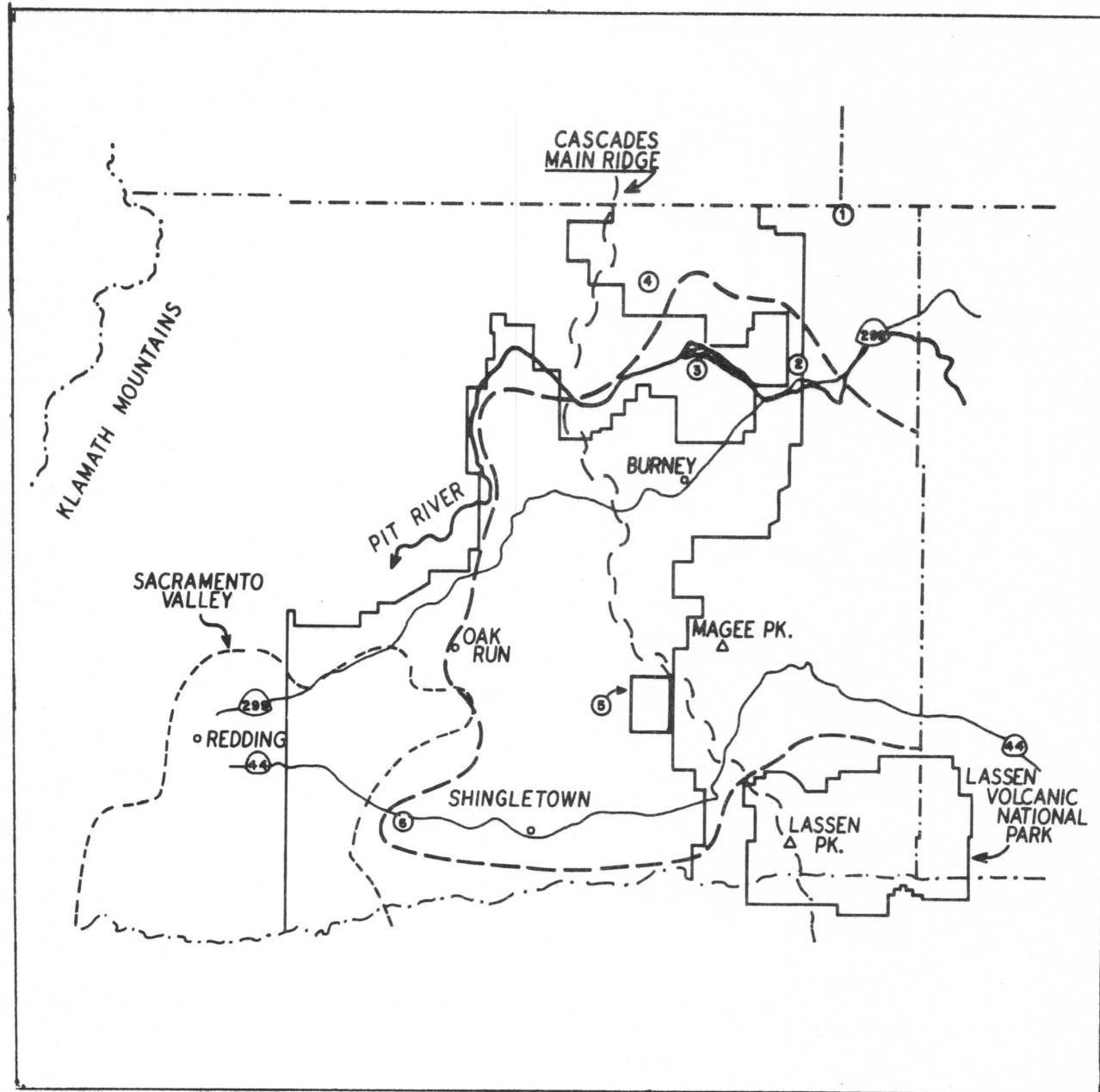


Fig. 1. Portion of Shasta County covered by this plant list. Solid line encloses region sampled by Powell (does not include Lassen Park.) Heavy dashed line encloses area of detailed field work by Griffin. Locations of several botanically interesting areas are indicated by small circled numbers:

1. Timbered Crater Baker cypress area (Stone, 1965); 2. Pit 1 Powerhouse disjunct foothill woodland area (Griffin, 1966); 3. McArthur-Burney Falls Memorial State Park bordering Lake Britton; 4. Clark Creek Englemann spruce relic stand; 5. Latour State Forest; 6. Lack Creek MacNab cypress area (Griffin and Stone, 1967).



Table 1 gives species distribution in a land grid of 7.5-minute quadrangles. The system of numbering quadrangles is that used by the Pacific Southwest Forest and Range Experiment Station. Location of quadrangles is shown in figure 2. Table 3 correlates quadrangle number with the name of the corresponding 15-minute topographic maps of the U. S. Geological Survey.

Scientific and common names of the trees mostly follow the usage of Little (1953). Scientific names of shrubs and herbs mostly follow Munz (1959). Much of the new nomenclature of Munz (1968) has been used. Common names of shrubs and herbs were drawn from several sources, including well established local usage. No attempt was made to give common names to plants that had none. Vouchers for many species are filed at the Botany Herbarium, University of California, Davis; at the Pacific Southwest Forest and Range Experiment Station, Redding; or at the Herbarium, University of California, Berkeley.

A wealth of additional information on plant distribution, relative abundance, and habitat is to be derived from the Soil-Vegetation maps and legends and from the files of the authors. We hope to put together information on soils and plant communities for some of the species included here. The published Soil-Vegetation maps are available from the Regional Forester, U. S. Forest Service, 630 Sansome Street, San Francisco, California 94111.



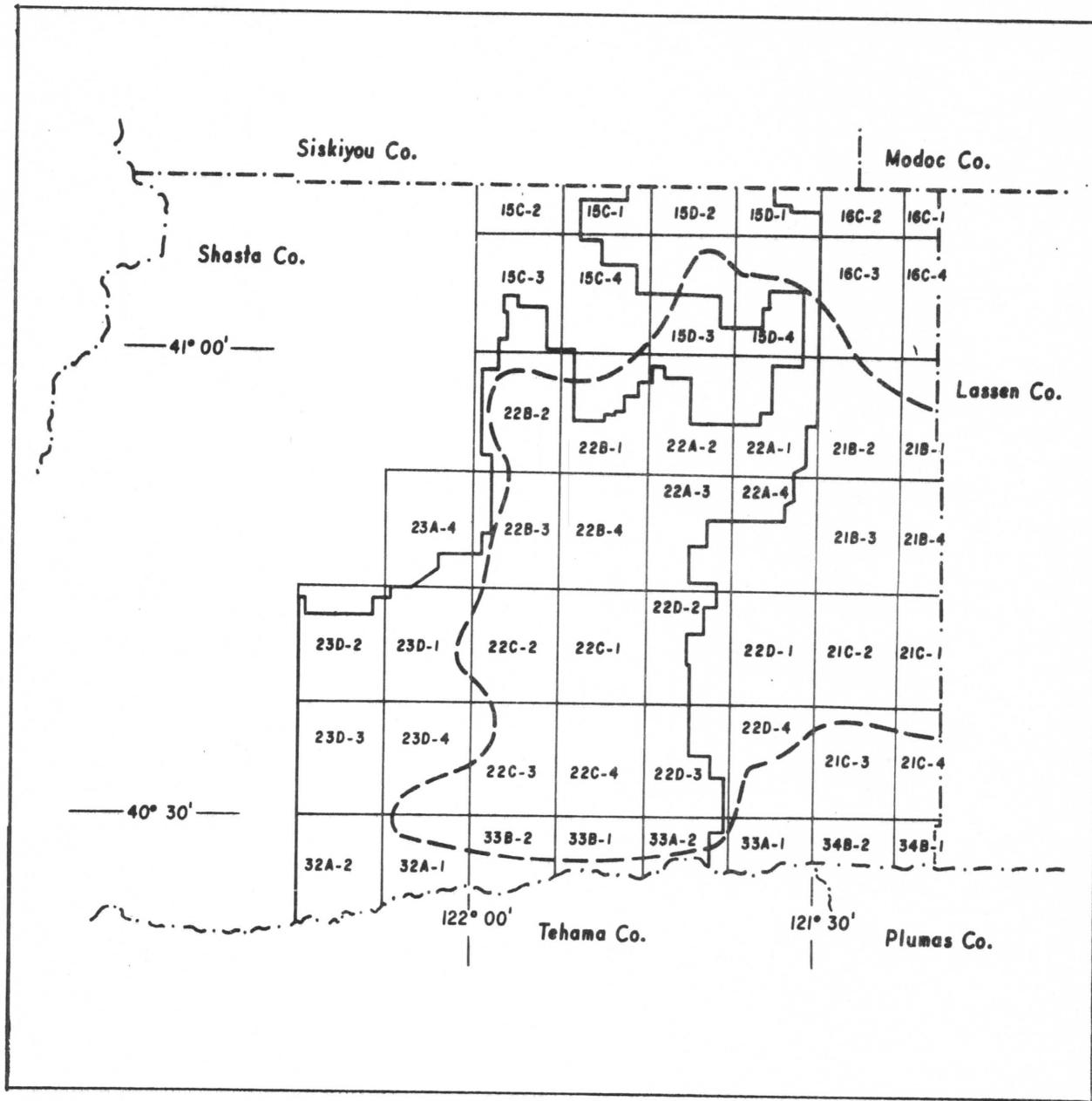


Fig. 2. Location of 7.5-minute quadrangles in eastern Shasta County.



Table 1. Plant species of eastern Shasta County, California

Scientific name Common name	Quadrangle of occurrence															
	15C-1 15G-3	15C-4 15D-1 15D-2 15D-3 15D-4	16G-2 16G-3	21B-1 21B-2 21B-3	21B-4 21C-1 21C-2 21C-3	21C-4 22A-1 22A-2 22A-3	22A-4 22B-1 22B-2 22B-3	22B-4 22C-1 22C-2	22C-3 22D-1 22D-2	22D-3 22D-4	23A-4 23D-1 23D-2 23D-3	23D-4 32A-1 32A-2 33A-2	33B-1 33B-2			
Abies concolor White fir	3 3 3 3 3 7 3	.	.	4 4	4 5 3 3 7 3 7 7 7 7 7 7 7 7 7 7	7 7 4	.	.	.	.	3 3 7					
Abies magnifica/ California red fir	1	.	1	.	.	.	1	.	1 3	.	7 7	.	.	.		
Acer circinatum vine maple	3 3 3 5	.	.	.	.	.	1	2 7 1 7 3	2	.	.	.	.	.		
Acer glabrum torreyi Mountain maple	3 2 4	.	.	.	.	.	1 1 4	1 1	.	.	4	.	.	.		
Acer macrophyllum Bigleaf maple	3 1 1	.	.	.	.	.	3 3 3 1 3 3 3 3	.	3	.	.	.	.	1		
Achillea lanulosa Mountain yarrow	.	2	.	6	.	.	2 2 2	6 2	6 6 2	2	2 2	4 2	.	2 2		
Achyrrachaena mollis Blow wifes	.	.	.	.	.	.	.	.	.	.	.	2	2 2	.	.	
Aconitum columbianum Monkshood	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	
Actaea rubra arguta Baneberry	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	
Adenocaulon bicolor Trail plant	2 2 2 4	.	.	.	.	.	2 2 4 4 6 2	2	6	.	.	.	.	.	.	
Adenostoma fasciculatum Chamise	.	.	.	.	.	.	.	.	.	.	.	7	.	.	.	
Adiantum capillus-veneris Common maidenhair fern	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.	
Adiantum pedatum aleuticum Five-finger fern	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	
Aesculus californica California buckeye	.	1	.	.	.	.	3 1 3	3 3 2	.	7	7	7	.	3 7	.	
Agoseris spp. (perennial) Mountain Dandelion	.	2	.	.	.	.	2	.	.	.	.	2	.	2	.	
Agoseris grandiflora Grand mountain dandelion	.	2	.	.	.	.	2 2	2	2	.	.	2	.	2	.	
Agoseris heterophylla Annual mountain dandelion	.	.	2	.	.	.	6	.	.	.	.	2 2 2	2	.	.	
Agoseris retrorsa Spear-leaf mountain dandelion	.	.	4	.	.	.	6 2 2	2 6 2 2 6 6 4	2	2	2	2	.	.	.	
Agropyron parishii laeve	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	
Agropyron smithii Western wheatgrass	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	
Agropyron spicatum Bluebunch wheatgrass	.	.	.	.	4	.	6	.	.	.	.	.	.	.	.	
Agrostis exarata Spike redtop	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	
Agrostis exigua	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	
Agrostis idahoensis Idaho bent	.	.	.	.	.	.	.	.	.	.	.	2	.	2	.	
Agrostis scabra Ticklegrass	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	
Agrostis tenuis Colonial bent	.	.	.	.	.	.	.	.	.	.	.	2 2	.	.	.	
Agrostis thurberiana Thurber bent	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	
Aira caryophyllea Silver hairgrass	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	
Aira elegans Lace hairgrass	.	2	.	2 2	.	.	.	.	2	2 6 2	.	2 2 2 2 2	2	2 6	.	
Allium spp. Onion	.	.	.	.	.	.	.	.	2	2 2	2	.	2	.	2 2	

Legend: 1 = SV map; 2 = SV plot; 3 = 2 and 1; 4 = Griffin plot; 5 = 4 and 1; 6 = 4 and 2; 7 = 4, 2, and 1.  
 Footnotes and detailed legend are at end of table.

Table 1 (Continued). Plant species of eastern Shasta County, California

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	15C-1 15C-3 15C-4 15D-1 15D-2 15D-3 15D-4 16C-2 16C-3 21B-1 21B-2 21B-3 21B-4 21C-1 21C-2 21C-3 21C-4 22A-1 22A-2 22A-3 22A-4 22A-5 22B-1 22B-2 22B-3 22B-4 22C-1 22C-2 22C-3 22D-1 22D-2 22D-3 22D-4 23A-4 23D-1 23D-2 23D-3 23D-4 32A-2 33A-2 33B-1 33B-2																		
Allium amplectens	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	.	
Allium bolanderi	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	
Allium peninsulare	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	
Allium serratum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	
Allophylum divaricatum	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Allophylum integrifolium	2	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	2	
Allophylum violaceum	.	.	2	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	
Alnus rhombifolia																			
White alder	1	1	.	1	5	.	.	.	.	.	1	1	1	3	1	.	.	.	
Alnus tenuifolia	1	.	1	1	.	.	.	.	.	1	1	1	1	.	1	.	.	.	
Mountain alder	1	.	1	1	.	.	.	.	.	2	.	.	.	.	.	.	.	.	
Alopecurus howellii <sup>z</sup>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Alyssum minus micranthum (A. allyssoides)																			
Small alyssum	.	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	
Amelanchier pallida																			
Western serviceberry	3	3	2	3	7	2	.	4	4	.	.	4	2	2	3	4	7	6	.
Amsinckia intermedia																			
Common fiddleneck	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	2	.
Ansinckia menziesii	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.
Anagallis arvensis																			
Pimpernel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2	.
Anaphalis margaritacea	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Anemone quinquefolia minor	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.
Angelica arguta																			
Angelica	.	2	4	2	.	4	4	.	.	.	2	.	2	2	6	.	.	.	.
Antennaria argentea <sup>z</sup>	.	.	.	.	.	.	.	.	.	2	6	2	.	.	.	.	4	.	.
Antennaria geyeri	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.
Anthemis cotula																			
Mayweed	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	2	.	2
Antirrhinum breweri	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Antirrhinum cornutum																			
Spurred snapdragon	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	
Apocynum pumilum																			
Mountain hemp	2	2	2	2	2	6	2	.	.	.	2	2	2	2	4	2	2	2	2
Apocynum pumilum rhomboideum																	2	.	.
Pubescent mountain hemp	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	
Apocynum sibiricum salignum																			
Dogbane	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
Aquilegia formosa																2	.	.	.
Arabis holboellii retrofracta	.	.	4	.	4	4	.	.	.	.	.	.	.	.	4	.	.	.	.
Aralia californica	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.
Arbutus menziesii																			
Madrone	.	.	.	.	.	.	.	.	.	.	1/	1/	.	.	.	2	.	.	.
Arceuthobium americanum																			
Mistletoe	.	.	.	.	.	.	.	.	.	.	.	.	.	.	a/	.	.	.	
Arceuthobium campylopodum																			
Mistletoe	.	.	.	.	.	.	.	.	.	2	.	.	.	4	.	.	4	.	.
Arceuthobium douglasii																			
Mistletoe	.	.	a/	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Arctostaphylos glandulosa																			
Eastwood manzanita	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Arctostaphylos manzanita															1	2	1	2	1
Common manzanita	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6	6	2	1	3
															.	.	.	.	3

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Chænactis glabriuscula megacephala	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
Chænactis suffrutescens																		
Shasta chaenactis								4										
Chamaebatia foliolosa																		
Bear clover, mountain misery										5	1	1						
Chamaebatia millefolium																		
Desert-sweet								1		b/								
Cheilanthes gracillima											4							
Chimaphila menziesii																		
Pipsissewa								2	2	4	.	.	.	2	2	2	4	4
Chimaphila umbellata occidentalis																		
Prince's pine								2	2	2	6	2	.	4	2	2	6	4
Chlorogalum angustifolium																		
Chlorogalum pomeridianum																		
Soap plant																		
Chorizanthe polygonoides										2	.	.	.	2	.	2	2	2
Chorizanthe stellulata																	2	.
Chrysanthemum leucanthemum																	2	.
Ox-eye daisy																		
Chrysollepis sempervirens																		
(Castanopsis s.)																		
Bush chinquapin								3	3	3	1	.	.	.	3	3	7	7
Chrysothamnus nauseosus albicaulis															2	2	2	4
Rubber rabbitbrush															3	2	2	2
Chrysothamnus parryi latior																		
Parry rabbitbrush																		
Chrysothamnus viscidiflorus																		
Sticky-leaf rabbitbrush															b/	4		
Cirsium andersonii															4	.		
Cirsium proteanum (C. coulteri)															4	.		
Venus thistle															2	2	.	.
Cirsium pastoris															2	.		.
Snowy thistle															2	.		.
Cirsium vulgare															2	4	.	.
Bull thistle															6	2	2	6
Clarkia spp.																		
Farewell-to-spring															2	2	2	2
Clarkia affinis															2	.	.	.
Clarkia gracilis															2	.	.	.
Farewell-to-spring															2	2	2	.
Clarkia lassenensis															Lassen godetia	.	.	.
Lassen godetia															2	2	2	.
Clarkia purpurea quadrivulnera															Four-spot godetia	.	2	2
Four-spot godetia															.	.	.	.
Clarkia rhomboidea															2	2	2	6
Forest clarkia															2	2	6	2
Clematis lasiantha															Pipe-stem clematis	.	2	6
Pipe-stem clematis															4	.	.	2
Clintonia uniflora															Bride's bonnet	.	.	.
Bride's bonnet															4	.	.	.
Collomia spp.															Chinese houses	.	2	2
Chinese houses															Collomia linearis	.	2	2

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Collomia parviflora	.	.	.	4	.	.	4	.	4	4	4	4	6	4	4	.	.	.	.	
Collomia torreyi	.	.	2	4	.	.	.	4	4	.	.	.	2	.	.	.	.	.	.	
Collomia grandiflora																				
Mountain collomia	2	.	2	2	6	.	.	4	4	4	.	.	6	2	.	.	.	4	.	
Collomia heterophylla																				
Variable-leaf collomia	.	2	.	.	.	.	.	.	.	.	.	.	2	.	2	2	.	.	.	
Collomia linearis																				
Slender-leaf collomia	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	
Collomia tinctoria																				
Commandra umbellata californica ( <i>C. pallida</i> )	.	.	.	2	.	.	.	.	4	.	.	2	2	2	.	.	.	.	.	
Bastard toad-flax	.	.	.	4	.	.	.	.	.	.	.	.	2	2	.	4	.	2	.	
Convolvulus arvensis																			4	
Field bindweed	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	.	
Corallorrhiza maculata																				
Spotted coral-root	.	2	2	.	.	.	.	.	.	.	.	2	.	.	4	.	4	2	4	
Corallorrhiza striata	.	.	.	.	.	.	.	.	.	.	.	4	.	.	4	.	.	.	.	
Cornus x californica																				
Creek dogwood	1	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Cornus glabrata																				
Brown dogwood	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	
Cornus nuttallii																				
Pacific dogwood	1	3	3	3	7	.	.	.	.	.	.	2	3	1	3	7	7	7	3	3
Coriaria stolonifera																			31	
American dogwood	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Corydalis caseana	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Corylus cornuta californica																				
California hazelnut	1	1	1	1	.	.	.	.	.	.	.	3	3	3	1	2	1	2	.	3
Crataegus douglasii																				
Black hawthorn	.	.	.	.	.	.	.	.	4	.	.	4	.	.	.	.	.	.	.	
Crepis acuminata				2	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	
Crepis occidentalis pumila				.	2	.	.	.	.	.	4	.	.	.	.	.	.	.	.	
Crocidium multicaule				.	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	
Crucianella angustifolia																			22	
Crucianella	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Cryptantha affinis																				
Cryptantha	.	2	2	4	.	4	.	4	.	2	2	2	2	.	4	4	6	.	6	6
Cryptantha flaccida										4	.	.	.	.	.	.	.	.	.	
Cryptantha intermedia										.	.	.	.	.	.	.	2	.	.	
Cryptantha rostellata										.	.	.	.	.	.	.	2	2	.	
Cryptantha simulans					2	.	.	.	.	2	.	.	.	.	.	.	.	.	.	
Cryptantha torreyana					2	2	.	.	.	2	.	.	.	.	.	.	2	.	.	
Cupressus bakeri bakeri																				
Modoc cypress	.	.	.	b/.	.	.	.	.	7	.	.	.	.	4	4	.	.	.	.	
Cupressus macnabiana																				
Macnab cypress	.	.	.	.	.	.	.	.	.	.	5	.	.	.	.	.	7	.	45	
Cuscuta sp.										2	.	.	.	.	.	.	.	.	.	
Dodder										.	.	.	.	.	.	.	.	.	.	
Cynodon dactylon															2	.	.	.	.	
Bermudagrass	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Cynoglossum grande																				
Western houndstongue	.	.	.	.	.	.	.	.	.	2	2	6	.	6	2	.	6	.	42	
Cynoglossum occidentale																			26	
Houndstongue	.	2	2	.	.	.	.	.	2	2	2	6	2	.	2	.	6	6	.	
Cynosurus echinatus																				
Annual dogtail	.	.	.	.	.	.	.	.	.	2	.	2	.	.	.	2	2	2	2	
Cystopteris fragilis																			2	
Bladder fern	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	

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Table 1 (Continued). Plant species of eastern Shasta County, California

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Table 1 (Continued). Plant species of eastern Shasta County, California

Scientific name Common name	Quadrangle of occurrence																																						
	15C-1	15C-4	15D-1	15D-2	15D-3	15D-4	16C-2	16C-3	21B-1	21B-2	21B-3	21B-4	21C-1	21C-2	21C-3	21C-4	22A-1	22A-2	22A-3	22A-4	22B-1	22B-2	22B-3	22B-4	22C-1	22C-2	22C-3	22C-4	22D-1	22D-2	22D-3	22D-4	23D-1	23D-2	23D-3	23D-4	32A-1	32A-2	33B-1
Eriophyllum lanatum s/																																							
Common woolly-sunflower	2	.	.	.	.	.	.	.	.	.	.	.	2	.	.	2	2	2	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.				
Eriophyllum lanatum achillaeoides	.	.	2	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
Eriophyllum lanatum croceum																																							
Common woolly-sunflower	.	2	.	2	.	.	.	.	.	.	.	.	2	.	2	2	.	2	.	2	.	.	.	.	.	.	2	.	.	2	.	.	.	.					
Eriophyllum lanatum grandiflorum	.	.	.	4	.	4	4	.	.	.	.	.	6	.	.	2	6	.	2	4	.	.	2	2	2	.	.	4	.	.	.	.	.						
Common woolly-sunflower	.	.	.	.	4	4	4	.	.	.	.	.	6	.	.	2	6	.	2	4	.	.	2	2	2	2	.	4	.	.	.	.	.						
Erodium botrys	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
Broadleaf filaree	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	2	2	2	2	2	2	2	2	2	2	2					
Erodium cicutarium																																							
Red-stem filaree	.	.	.	2	.	.	.	.	.	.	.	.	6	.	.	2	2	.	2	.	.	.	.	2	2	2	2	2	2	.	.	.	.	.					
Erodium moschatum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
White-stem filaree	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
Erodium obtusiplicatum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
Foothill filaree	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	2	2	2	2	2	.	.	.	.	.	.					
Eryngium spp.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.				
Erysimum capitatum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6	4	.	4	.	4	.	.	.	.	.	.	.	.	.	.				
Western wallflower	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6	4	.	4	.	4	.	.	.	.	.	.	.	.	.	.				
Eschscholzia californica crocea																																							
Common California poppy	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
Eschscholzia lobbii	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
Frying pans	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
Euphorbia crenulata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	4	4	4	.	.	2	.	.	.	.	.	.	.	.					
Chinese caps	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	4	4	4	.	.	2	.	.	.	.	.	.	.	.	.					
Euphorbia spathulata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2	4	.	4	.	.	.	.	.	.	.	.	.	.	.				
Spurge	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
Festuca spp. (annual)																																							
Annual fescue	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	2	2	2	2	2	.	.	.	.	.	.	.				
Festuca bromoides (F. dertonensis)																				4	.	4	.	6	.	2	.	.	.	.	.	.	.	.	.	.			
European foxtail fescue	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2	2	2	.	2	2	2	2	2	.	.	.	.	.	.				
Festuca confusa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2	2	2	.	2	2	2	2	2	.	.	.	.	.	.				
Confusing fescue	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2	2	2	.	2	2	2	2	2	.	.	.	.	.	.				
Festuca eastwoodae	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2	2	2	.	2	2	2	2	2	.	.	.	.	.	.				
Eastwood fescue	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2	2	2	.	2	2	2	2	2	.	.	.	.	.	.				
Festuca grayi	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2	2	2	.	2	2	2	2	2	.	.	.	.	.	.				
Gray fescue	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2	2	2	.	2	2	2	2	2	.	.	.	.	.	.				
Festuca idahoensis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2	2	2	.	2	2	2	2	2	.	.	.	.	.	.				
Idaho fescue	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	4	4	4	6	.	2	.	2	2	2	.	.	.	.	.	.					
Festuca megalura	.	2	.	2	.	4	.	.	.	.	.	.	6	.	.	2	2	.	2	2	.	.	.	2	2	2	2	2	.	2	.	.	.	.					
Foxtail fescue	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	2	.	.	2	.	.	.	.	2	2	2	2	2	2	.	.	.	.	.					
Festuca microstachys	.	.	.	.	2	2	.	.	.	.	.	.	2	.	.	2	.	.	2	.	.	.	2	2	2	2	2	2	.	.	.	.	.	.					
Pubescent reflex fescue	.	.	.	.	2	2	.	.	.	.	.	.	2	.	.	2	.	.	2	.	.	.	2	2	2	2	2	2	.	2	.	.	.	.					
Festuca myuros	.	.	.	.	2	2	.	.	.	.	.	.	2	.	.	2	.	.	2	.	.	.	2	2	2	2	2	2	.	2	.	.	.	.					
False foxtail fescue	.	.	.	.	2	2	.	.	.	.	.	.	2	.	.	2	.	.	2	.	.	.	2	2	2	2	2	2	.	2	.	.	.	.					
Festuca occidentalis					2	2	.	2	2	6	2	.	.	.	.	.	4	2	6	2	6	6	6	2	6	6	2	6	2	.	.	2	2	4					
Western fescue	.	.	.	.	2	2	.	.	.	.	.	.	2	.	.	2	.	.	2	.	.	2	2	.	2	2	.	.	.	.	.	.	.						
Festuca pacifica	.	.	.	.	2	2	.	.	.	.	.	.	2	.	.	2	.	.	2	.	.	2	2	.	2	2	.	.	.	.	.	.	.						
Pacific fescue	.	.	.	.	2	2	.	.	.	.	.	.	2	.	.	2	.	.	2	.	.	2	2	.	2	2	.	.	.	.	.	.	.						
Festuca reflexa	.	.	.	.	2	2	.	.	.	.	.	.	2	.	.	2	2	2	.	2	.	2	2	.	2	2	.	2	.	2	2	2	2						
Reflex fescue	.	.	.	.	2	2	.	.	.	.	.	.	2	.	.	2	2	2	.	2	.	2	2	.	2	2	.	2	.	2	2	2	2						
Festuca rubra	.	.	.	.	2	2	.	.	.	.	.	.	2	.	.	2	2	2	.	2	.	2	2	.	2	2	.	2	.	2	2	2	2						
Red fescue	.	.	.	.	2	2	.	.	.	.	.	.	2	.	.	2	2	2	.	2	.	2	2	.	2	2	.	2	.	2	2	2	2						
Filago gallica	.	.	.	.	2	2	.	.	.	.	.	.	2	.	.	2	2	2	.	2	.	2	2	.	2	2	.	2	.	2	2	2	2						
Filago	.	.	.	.	2	2	.	.	.	.	.	.	2	.	.	2	2	2	.	2	.	2	2	.	2	2	.	2	.	2	2	2	2						
Fragaria californica	.	.	.	.	2	2	.	.	.	.	.	.	2	.	.	2	2	2	.	2	.	2	2	.	2	2	.	2	.	2	2	2	2						
Wood strawberry	.	.	.	.	2	2	.	.	.	.	.	.	2	.	.	2	2	2	.	2	.	2	2	.	2	2	.	2	.	2	2	2	2						
Fragaria platypetala	.	.	.	.	2	2	.	.	.	.	.	.	4	.	.	4	4	4	.	4	.	4	4	.	4	.	4	.	4	.	4	.	4	.					
Scarlet strawberry	.	.	.	.	2	2	.	.	.	.	.	.	4	.	.	4	4	4	.	4	.	4	4	.	4	.	4	.	4	.	4	.	4	.					

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Table 1 (Continued). Plant species of eastern Shasta County, California

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Habenaria elegans	.	.	.	4	.	*	.	.	.	4	4	4	4	4	4	4	4	.	.	.	.	4		
Habenaria sparsiflora Bog orchid	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.			
Habenaria malascensis Rein orchid	.	.	.	.	.	.	.	.	2	2	.	2	.	.	.	.	.	.	.	.	2			
Hackelia californica California stickseed	.	.	.	.	.	.	.	.	2	.	.	2	.	.	6	4	.	.	.	.	.			
Haplopappus bloomeri Bloomer goldenbush	.	.	3	5	1	.	4	.	4	4	.	3	1	1	1	1	1	4	.	.	2	.		
Helianthella californica nevadensis Sierra helianthella	.	.	.	.	.	.	.	.	2	2	.	.	.	.	.	.	.	.	.	.	.			
Hemizonia fitchii Fitch spikeweed	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2	2	2		
Hemizonia pungens Common spikeweed	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	4	.	.		
Hesperochiron pumilus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Hieracium albiflorum White-flower hawkweed	2	2	2	2	2	6	2	.	.	2	6	2	6	2	6	6	6	6	6	6	2	.	2	6
Hieracium cynoglossoides nudicaule	.	.	2	.	.	.	.	4	.	2	.	.	2	.	2	.	2	.	.	.	.	.	.	
Holcus lanatus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6	.	.	.	.	.	.	.	
Holodiscus microphyllus glabrescens Glandular rock-spiraea	.	.	1	.	.	.	.	.	1	.	.	1	.	.	1	.	o/.	.	.	.	.	.	.	
Hordeum geniculatum (H. hystrix) Mediterranean barley	.	.	.	2	.	.	.	.	2	.	.	2	.	2	.	.	.	2	2	2	2	2	2	
Hordeum leporinum Foxtail mouse barley	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	2	2	2	.	.		
Hordeum glaucum (H. stebbinsii) Blue foxtail	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.		
Horkelia fusca parviflora Dusky horkelia	.	.	.	.	.	.	.	.	.	.	.	2	.	.	6	4	.	.	.	.	.	.		
Horkelia pseudocapitata Horkelia tridentata	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Three-tooth horkelia	.	.	2	4	.	.	4	.	4	2	2	.	6	4	6	4	6	.	.	.	.	.		
Hydrophyllum capitatum alpinum	.	.	4	.	4	.	.	4	4	.	.	.	.	.	.	.	.	.	.	.	.	.		
Hydrophyllum occidentale California waterleaf	2	.	4	.	.	.	.	.	.	.	2	.	.	2	.	.	.	.	.	.	.	.		
Hypericum anagalloides Tinker's penny	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.		
Hypericum concinnum Goldwire	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.		
Hypericum perforatum Klamath weed	.	.	.	.	.	.	.	.	.	.	2	2	.	4	2	6	.	.	2	2	.	3	.	
Hypochoeris glabra Smooth cat's ear	.	.	.	.	.	.	.	.	.	.	2	.	.	2	2	2	2	2	2	2	.	.		
Ipomopsis aggregata Scarlet gilia	.	.	.	.	4	.	.	.	2	.	.	.	2	.	.	.	.	.	.	.	.	.		
Iris tenuissima/ Iris	.	2	2	2	2	.	.	.	2	2	6	2	6	6	6	6	6	2	2	.	6	2	2	
Isoetes howellii	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Juncus spp. (perennial) Rush	.	.	.	.	.	.	.	.	2	2	2	.	2	2	2	.	.	.	.	.	.	.		
Juncus balticus	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Juncus bufonius Toad rush	.	.	.	.	.	.	.	.	.	2	.	.	.	2	.	.	.	2	.	2	.	.		
Juncus tenuis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.		
Juniperus californica California juniper	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	1	5	.	.		
Juniperus occidentalis occidentalis Western juniper	.	.	3	4	3	b/.	4	4	.	.	7	7	.	.	.	.	.	.	.	.	.	.	.	
Kelloggia galloides Kelloggia	.	2	2	.	6	.	.	.	4	4	.	4	2	2	6	6	6	6	6	6	4	.	6	

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Table 1 (Continued). Plant species of eastern Shasta County, California

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Koeleria phleoides	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Annual junegrass	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Kohlruschia velutina	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
(Tunica prolifera)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Wild pink	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lactuca serriola	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Prickly lettuce	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lactuca serriola integrata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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Lagophylla glandulosa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lagophylla ramosissima	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lasthenia chrysostoma gracilis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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Lathyrus jepsonii californicus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lathyrus lanszwertii	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lathyrus nevadensis lanceolatus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lathyrus sulphureus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Sulfur pea	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lathyrus tracyi	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Layia fremontii	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Fremont layia	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Ledum glandulosum californicum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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Lepidium campestre	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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Lepidium nitidum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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Leptodactylon pungens pulchriflorum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Common granite gilia	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lessingia virgata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Virgate lessingia	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Ligusticum grayi	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lilium pardalinum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Leopard lily	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lilium washingtonianum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Washington lily	.	2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Limnanthes alba	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
White meadow-foam	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Limnanthes floccosa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Wooly meadow-foam	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Linanthus bakeri	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Linanthus bicolor	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Linanthus ciliatus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Whisker linanthus	.	.	2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Linanthus filipes	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Filiform linanthus	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Linanthus harknessii	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Linnaea borealis longiflora	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Twin flower	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Linum angustifolium	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Narrow-leaf flax	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Linum micranthum	.	2	2	2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2
Common dwarf flax	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Linum perenne lewisii	.																																									

Table 1 (Continued). Plant species of eastern Shasta County, California

## Quadrangle of occurrence

Scientific name Common name	15C-1	15C-3	15C-4	15D-1	15D-2	15D-3	15D-4	16C-2	16C-3	21B-1	21B-2	21B-3	21B-4	21C-1	21C-2	21C-3	21C-4	22A-1	22A-2	22A-3	22A-4	22B-1	22B-2	22B-3	22B-4	22C-1	22C-2	22C-3	22C-4	22D-1	22D-2	22D-3	22D-4	23A-4	23D-1	23D-2	23D-3	32A-2	33A-2	33B-1	33B-2
Lithophragma heterophyllum																																									
Hill star	.	.	.	.	.	.	.																																		
Lithophragma parviflorum	.	.	.	.	.	.	.																																		
Lithospermum californicum																																									
Shasta puccoon	.	.	.	.	.	.	.																																		
Lithospermum ruderale																																									
Columbia puccoon	.	2	2	.	.	4	.	4	.	2	.	.	.	.	.	.	.	2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2						
Lolium multiflorum																																									
Italian ryegrass	.	.	.	.	.	.	.																														2				
Lolium perenne																																									
Perennial ryegrass	.	.	.	.	.	.	.																																		
Lolium temulentum	.	.	.	.	.	.	.																																		
Darnel	.	.	.	.	.	.	.																																		
Lomatium spp.																																									
Lomatium, hog-fennel	.	.	.	.	.	.	.																														2				
Lomatium dissectum	.	.	.	.	.	.	.																																		
Lomatium humile	.	.	.	.	.	.	.																														2				
Lomatium macrocarpum	.	.	.	.	.	.	.																																		
Lamatium nudicaule																																									
Pestle parsnip	.	.	.	.	.	.	.																																		
Lomatium peckianum	.	.	.	.	.	.	.																																		
Lomatium triternatum	.	.	.	.	.	.	.																																		
Lomatium	.	.	.	.	.	.	.																																		
Lomatium utriculatum	.	.	.	.	.	.	.																																		
Common lomatium	.	.	.	.	.	.	.																														2				
Lonicera conjugialis	.	.	.	.	.	.	.																																		
Double honeysuckle	.	.	4	.	.	.	.																																		
Lonicera interrupta	.	.	.	4	2	.	4	4	.	.	6	.	.	2	2	6	6	2	.	2	2	2	6	2	.	2	2	2	2	2	2	2	6								
Chaparral honeysuckle	.	.	.	.	4	2	.	4	4	.	.	6	.	.	2	2	6	6	2	.	2	2	2	6	2	.	2	2	2	2	2	2	2								
Lonicera involucrata	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.					
Twinberry	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.					
Lotus balsamiferus	.	.	.	.	.	.	.																																		
Lotus crassifolius	.	.	.	.	.	.	.																																		
Big deervetch	1	.	2	4	.	.	.																																		
Lotus grandiflorus	.	2	.	.	.	.	.																																		
Lotus humistratus	.	.	.	.	.	.	.																																		
Hill lotus	.	.	.	.	.	.	.																														2				
Lotus micranthus	.	.	.	.	.	.	.																																		
Small-flower lotus	.	.	.	.	.	.	.																																		
Lotus purshianus	.	.	.	.	.	.	.																																		
Spanish clover	.	2	2	6	2	.	.	4	.	6	2	2	2	2	2	6	.	6	6	2	.	2	2	2	2	2	2	2	2	2	2	2									
Lotus subpinnatus	.	2	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	2	.	2	2	.	.	2	.	.	2	2	2	2	2	2	2							
Calf lotus	.	2	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	2	.	2	2	.	.	2	.	.	2	2	2	2	2	2	2							
Luetkea pectinata	.	.	.	.	.	.	.																																		
Partridge foot	.	.	.	.	.	.	.																																		
Lupinus spp. (Herbaceous perennial)	.	2	.	.	.	.	.																														2				
Perennial lupine	.	.	.	.	.	.	.																																		
Lupinus adsurgens	.	.	.	.	.	.	.																																		
Lupinus albicaulis	.	.	.	.	.	.	.																																		
Sickle-keel lupine	.	.	.	.	.	.	.																														2				
Lupinus andersonii	.	2	.	.	.	.	.	4	4	.	6	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
Lupinus arbustus silvicola	.	2	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	2	.	2	2	.	.	2	.	4	.	.	.	.	.	.								
Lupinus benthamii	.	.	.	.	.	.	.																														2				
Bentham lupine	.	.	.	.	.	.	.																																		
Lupinus bicolor	.	.	.	.	.	.	.																																		
Bicolor annual lupine	.	.	.	.	2	.	4	4	.	6	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
Lupinus caudatus	.	.	.	.	2	.	4	4	.	6	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.								
Lupinus congonii	.	.	.	.	.	.	.																																		
Lupinus densiflorus lacteus	.	.	.	.	.	.	.																														2				

Legend: 1 = SV map; 2 = SV plot; 3 = 2 and 1; 4 = Griffin plot; 5 = 4 and 1; 6 = 4 and 2; 7 = 4, 2, and 1.  
 Footnotes and detailed legend are at end of table.

Table 1 (Continued). Plant species of eastern Shasta County, California

Legend: 1 = SV map; 2 = SV plot; 3 = 2 and 1; 4 = Griffin plot; 5 = 4 and 1; 6 = 4 and 2; 7 = 4,2, and 1. Footnotes and detailed legend are at end of table.

Table 1 (Continued). Plant species of eastern Shasta County, California

## Quadrangle of occurrence

Scientific name Common name	15C-1	15C-3	15B-4	15B-1	15D-2	15D-3	15D-4	16C-2	16C-3	21B-1	21B-2	21B-3	21B-4	21C-1	21C-2	21C-3	21C-4	22A-1	22A-2	22A-3	22A-4	22B-1	22B-2	22B-3	22B-4	22C-1	22C-2	22C-3	22C-4	22D-1	22D-2	22D-3	22D-4	23A-4	23D-1	23D-2	23D-3	23D-4	32A-1	32A-2	33A-2	33B-1	33B-2
Microseris nutans																																											
Perennial nodding microseris	.	.	4	.	4	4	4	4	4	.	6	4	2	6	4	.	6	4	2	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.						
Microsteris gracilis																																											
Microsteris	.	.	2	6	2	.	4	.	4	.	4	4	.	2	4	2	2	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
Microsteris gracilis humilis																		2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Mimulus bicolor																																					4						
Mimulus douglasii																																					4						
Mimulus guttatus																			2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Mimulus layneae			2	.	.	.	.	.	.									2	.	.	.	.																					
Mimulus mephiticus			.	.	.	.	.	.	.									.	2	.	.	.																					
Mimulus moschatus			.	.	.	.	.	.	.									.	2	.	.	.																					
Mimulus primuloides			.	.	.	.	.	.	.									.	2	.	.	.																					
Mimulus pulriferae			.	.	.	.	.	.	.									.	2	.	.	.															4						
Mimulus torreyi			.	2	6	.	.	4	4	4	.	6	6	2	2	2	.	6	2	6	4	6	6	.	.	.	.	2	.	2	2	.	.	.									
Mitella trifida			.	2	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
Monardella lanceolata																																											
Mustang-mint	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Monardella odoratissima			.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
Mountain monardella	.	2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Monardella odoratissima glauca		.	2	2	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Monardella ordoratissima pallida		.	.	.	.	.	.	.	.								4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Monardella villosa sheltonii		.	.	.	.	.	.	.	.								.	4	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Coyote-mint		.	.	.	.	.	.	.	.								.	2	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Montia perfoliata		2	2	2	6	2	.	4	4	4	.	4	.	4	6	2	6	2	.	6	2	6	6	.	4	2	.	4	2	2	.	6	.	.									
Miners lettuce		.	.	.	.	.	.	.	.								.	2	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Muhlenbergia filiformis		.	2	2	2	6	2	.	4	4	4	.	4	6	2	6	2	.	6	2	6	6	.	4	2	.	4	2	2	.	6	.	.										
Slender muhly	.	.	.	.	.	.	.	.	.								.	2	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Muhlenbergia jonesii		.	.	.	.	.	.	.	.								.	2	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Nama lobbii		.	.	.	.	.	.	.	.								.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Woolly nama	.	.	.	.	.	.	.	.	.								.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Navarettia spp.		.	.	.	.	.	.	.	.								.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Navarretia	.	.	2	.	.	.	.	.	.								.	2	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Navarretia divaricata		.	.	2	2	.	.	.	.								.	2	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Mountain navarretia	.	.	2	2	.	.	.	.	.								.	2	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Navarretia divaricata vividior		.	.	.	.	.	.	.	.								.	2	2	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Navarretia filicaulis		.	.	.	.	.	.	.	.								.	2	2	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Navarretia heterandra		.	.	.	.	.	.	.	.								.	2	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Navarretia intertexta		.	.	.	.	.	.	.	.								.	2	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Needle-leaf navarretia	.	.	2	.	.	.	.	.	.								.	2	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Navarretia leucocephala		.	.	.	.	.	.	.	.								.	2	2	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Navarretia pubescens		.	.	.	.	.	.	.	.								.	2	2	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Downy navarretia	.	.	.	.	.	.	.	.	.								.	2	2	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Navarretia tangetina		.	.	.	.	.	.	.	.								.	2	2	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Navarretia		.	.	.	.	.	.	.	.								.	2	2	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Nemophila heterophylla		.	.	4	.	.	.	.	.								.	4	.	.	2	.	2	.	.	.	2	.	.	.	.	.	.	.	.	.	.						
White nemophila	.	.	4	.	.	.	.	.	.								.	4	.	.	2	.	2	.	.	.	2	.	.	.	.	.	.	.	.	.	.						
Nemophila pedunculata		.	.	.	.	.	.	.	.								.	2	2	.	2	.	2	.	.	.	2	.	.	.	.	.	.	.	.	.	.						
Meadow nemophila	.	.	.	.	.	.	.	.	.								.	2	2	.	2	.	2	.	.	.	2	.	.	.	.	.	.	.	.	.	.						
Odontostomum hartwegii		.	.	.	.	.	.	.	.								.	2	2	.	2	.	2	.	.	.	2	.	.	.	.	.	.	.	.	.	.						
Odontostomum	.	.	.	.	.	.	.	.	.								.	2	2	.	2	.	2	.	.	.	2	2	.	2	.	2	.	2	.	2	.	.					
Oenothera contorta		.	.	2	2	.	.	.	.								.	4	2	.	2	.	2	.	.	.	2	.	.	.	.	.	.	.	.	.	.						
Oenothera graciliflora		.	.	.	.	.	.	.	.								.	2	.	.	2	.	2	.	.	.	2	.	.	.	.	.	.	.	.	.	.						
Onychium densum		.	.	.	.	.	.	.	.								.	2	.	.	2	.	2	.	.	.	2	.	.	.	.	.	.	.	.	.	.						
Cliff-brake	.	.	.	.	.	.	.	.	.								.	2	.	.	2	.	2	.	.	.	2	.	.	.	.	.	.	.	.	.	.						
Orthocarpus attenuatus		.	.	.	.	.	.	.	.								.	2	2	.	2	2	2	.	.	.	2	2	.	2	.	.	.	.	.	.	.						
Valley tassels	.	.	.	.	.	.	.	.	.								.	2	2	.	2	2	2	.	.	.	2	2	.	2	.	.	.	.	.	.	.						
Orthocarpus erianthus		.	.	.	.	.	.	.	.								.	2	2	.	2	2	2	.	.	.	2	2	.	2	.	.	.	.	.	.	.						
Johnny-tuck	.	.	.	.	.	.	.	.	.								.	2	2	.	2	2	2	.	.	.	2	2	.	2	.	.	.	.	.	.	.						
Orthocarpus hispidus		.	.	.	.	.	.	.	.								.	2	2	.	2	2	2	.	.	.	2	2	.	2	.	.	.	.	.	.	.						
Othocarpus lacerus		.	.	.	.	.	.	.	.																																		

Table 1 (Continued). Plant species of eastern Shasta County, California

Scientific name Common name	Quadrangle of occurrence																																							
	15C-1	15C-4	15D-1	15D-2	15D-3	15D-4	16C-2	16C-3	21B-1	21B-2	21B-3	21B-4	21C-2	21C-3	21C-4	22A-1	22A-2	22A-3	22A-4	22B-1	22B-2	22B-3	22B-4	22C-1	22C-2	22C-3	22D-1	22D-2	22D-3	22D-4	23A-4	23D-1	23D-2	23D-3	23D-4	32A-1	32A-2	33A-2	33B-1	
Orthocarpus lithospermoides	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Oryzopsis miliacea	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
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Osmaronia cerasiformis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
Oso berry	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
Osmorhiza chilensis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
Mountain sweet-cicely	2	2	2	2	2	6	.	.	.	.	.	.	.	.	.	4	2	2	6	6	2	6	6	6	6	6	6	6	6	6	6	6	6	2	4					
Paeonia brownii	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
Western peony	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
Panicum pacificum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
Pacific panic	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
Parvisedum pumilum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
Paxistima myrsinifolia	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
Oregon boxwood	.	2	2	6	2	.	.	.	.	.	.	.	.	.	.	2	2	6	6	6	2	2	.	.	.	.	.	.	.	.	.	.	.	.						
Pectocarya pusilla	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	2	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
Pectocarya	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	2	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
Pedicularis densiflora	.	2	2	2	2	6	2	.	.	.	.	.	.	.	.	6	2	2	2	2	6	6	6	6	2	4	.	2	.	4	2	.	4							
Indian warrior	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
Pedicularis densiflora aurantiaca	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Pellaea mucronata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Birdsfoot fern	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
Peltiphyllum peltatum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Penstemon azureus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
Penstemon deustus	.	.	2	.	.	.	4	.	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
Penstemon laetus roezlii	2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4			
Penstemon neotericus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Penstemon newberryi	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Penstemon oreocharis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Penstemon speciosus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Peraphyllum ramosissimum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	d/.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Squaw apple	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Perideridia gairdneri	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2		
Squaw root	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Perideridia kelloggii	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Perideridia oregana	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Phacelia californica	.	2	2	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Phacelia hastata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Phacelia heterophylla	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	4	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Phacelia linearis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Phacelia mutabilis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Phacelia purpusii	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Phacelia racemosa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Phalaris paradoxa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2		
Phalaris tuberosa stenoptera	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	
Hardinggrass	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Philadelphus lewisii californicus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
California mock orange	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Phleum alpinum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Alpine timothy	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Phleum pratense	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2		
Timothy	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	b/.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Phlox speciosa occidentalis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Phoradendron bolleanum densum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Mistletoe	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Phoradendron flavescens villosum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Mistletoe	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Phoradendron juniperinum juniperinum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Mistletoe	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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Legend: 1 = SV map; 2 = SV plot; 3 = 2 and 1; 4 = Griffin plot; 5 = 4 and 1; 6 = 4 and 2; 7 = 4, 2, and 1.

Footnotes and detailed legend are at end of table.

Table 1 (Continued). Plant species of eastern Shasta County, California

Legend: 1 = SV map; 2 = SV plot; 3 = 2 and 1; 4 = Griffin plot; 5 = 4 and 1; 6 = 4 and 2; 7 = 4,2, and 1. Footnotes and detailed legend are at end of table.

Table 1 (Continued). Plant species of eastern Shasta County, California

Scientific name Common name	Quadrangle of occurrence																	
	15C-1 15C-3 15C-4 15D-1 15D-2 15D-3 15D-4 16C-2 16C-3 21B-1 21B-2 21B-3 21B-4 21C-1 21C-2 21C-3 21C-4 22A-1 22A-2 22A-3 22A-4 22B-1 22B-2 22B-3 22B-4 22C-1 22C-2 22C-3 22C-4 22D-1 22D-2 22D-3 22D-4 23A-4 23D-1 23D-2 23D-3 23D-4 32A-1 32A-2 33A-2 33B-1 33B-2																	
Poa scabrella Pine bluegrass	.	.	6	.	.	.	.	.	2	2	.	2	.	2	2	2	2	2
Pogogyne douglasii Douglas pogogyne	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.
Pogogyne zizyphoroides Sacramento pogogyne	:	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	.
Polygala cornuta Sierra milkwort	.	2	2	2	6	2	.	.	.	4	6	2	6	6	4	6	6	2
Polygonum bolanderi	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.
Polygonum californicum California knotweed	.	.	2	2	.	.	.	4	4	4	4	4	4	2	2	2	2	.
Polygonum douglasii	.	.	.	2	.	.	.	2	2	2	2	2	2	.	.	.	.	.
Polygonum spargulariaeforme	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Polypodium spp.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.
Polystichum munitum Sword fern	.	.	4	.	.	.	.	.	.	2	2	.	.	.	6	.	.	.
Populus fremontii Fremont cottonwood	.	1	.	.	.	.	.	.	.	.	.	1	.	.	.	1	1	.
Populus tremuloides Quaking aspen	1	.	1	.	.	.	.	.	.	1	.	1	1	.	1	.	.	.
Populus trichocarpa Black cottonwood	.	.	1	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.
Potentilla glandulosa Common cinquefoil	.	2	.	2	4	.	.	.	4	.	2	6	2	4	2	.	2	.
Potentilla millefolia	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
Prunella vulgaris lanceolata Narrowleaf selfheal	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	.	.	.
Prunus emarginata Bitter cherry	1	3	3	1	b/.	.	.	.	1	3	1	.	3	1	.	3	7	.
Prunus subcordata Sierra plum	.	.	4	.	b/.	4	4	.	.	5	2	.	4	1	.	4	2	.
Prunus virginiana demissa <sup>t/</sup> Western choke-cherry	.	.	4	.	b/.	4	4	.	.	5	2	2	.	3	.	4	.	.
Pseudotsuga menziesii Douglas-fir	1	3	3	3	3	7	7	.	.	5	7	3	7	3	7	7	3	7
Ptelea crenulata Western hop-tree	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	4
Pteridium aquilinum lanuginosum Bracken fern	3	2	2	3	7	.	.	.	.	1	3	.	3	7	7	7	3	7
Pterospora andromedea Pine drops	.	2	2	2	6	.	.	.	.	4	2	2	2	2	4	4	2	.
Purshia tridentata Bitterbrush	.	.	3	.	1	b/.	4	4	.	.	7	2	1	3	.	4	4	.
Pyrola picta White-vein shinleaf	2	2	2	6	2	.	.	.	.	4	2	2	6	6	6	4	2	.
Pyrola picta aphylla Leafless pyrola	.	.	2	4	.	.	.	.	4	.	.	4	4	4	4	4	4	.
Pyrola picta dentata Green-vein shinleaf	.	.	.	.	.	.	.	.	.	.	6	.	4	4	4	.	.	.
Pyrola picta integra Blue shinleaf	.	.	.	.	.	.	.	.	2	.	.	.	2	2	.	.	.	.
Quercus chrysolepis Canyon live oak	1	3	.	.	.	.	.	.	.	3	3	7	1	7	7	7	1	6
Quercus chrysolepis nana Shrub canyon live oak	.	.	.	.	.	.	.	.	2	2	.	1	1	2	1	1	.	1

Legend: 1 = SV map; 2 = SV plot; 3 = 2 and 1; 4 = Griffin plot; 5 = 4 and 1; 6 = 4 and 2; 7 = 4,2, and 1.  
 Footnotes and detailed legend are at end of table.

Table 1 (Continued). Plant species of eastern Shasta County, California

## Quadrangle of occurrence

Scientific name Common name	15G-1	15G-3	15G-4	15D-1	15D-2	15D-3	15D-4	16G-2	16G-3	21B-1	21B-2	21B-3	21B-4	21C-1	21C-2	21C-3	21C-4	22A-1	22A-2	22A-3	22A-4	22B-1	22B-2	22B-3	22B-4	22C-1	22C-2	22C-3	22C-4	22D-1	22D-2	22D-3	22D-4	23D-1	23D-2	23D-3	23D-4	32A-1	32A-2	33B-1	33B-2
<i>Quercus douglasii</i> Blue oak	.	.	.	5	4	4	.	.	.	7	.	.	1	3	.	3	3	3	3	.	.	3	2	2	2	2	3	3	.	3	7	.	.								
<i>Quercus dumosa</i> California scrub oak	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
<i>Quercus garryana</i> Oregon oak, garry oak	1	3	.	3	7	3	b/.	4	.	.	.	7	7	1	1	1	3	1	.	1	1	3	.	.	.	.	.	1	.	.	.	.	.								
<i>Quercus garryana breweri</i> Brewer oak	3	1	.	1	1	b/.	.	.	.	.	1	4	1	1	1	1	1	3	1	1	3	3	.	.	1	2	.	2	3	.	1	7	.	.							
<i>Quercus kelloggii</i> California black oak	3	3	3	3	3	7	3	b/.	4	.	.	7	3	7	7	3	7	7	7	7	7	7	3	7	.	3	2	2	6	3	3	3	7	.	.						
<i>Quercus kelloggii cibata</i> Shrub California black oak	1	1	1	.	.	.	.	.	.	.	.	.	.	1	.	1	1	1	.	1	3	.	2	.	.	.	.	.	.	.	.	.	.								
<i>Quercus lobata</i> Valley oak	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	1	1	.	.	1	.	2	1	1	.	3	.	.	.	.							
<i>Quercus x morehus</i> <sup>W</sup> Oracle oak	.	.	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	4	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
<i>Quercus vaccinifolia</i> Huckleberry oak	1	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	2	5	.	.	.	.	.	.	.	.	.	.	.	.							
<i>Quercus wislizenii</i> Interior live oak	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.	1	2	2	6	3	3	1	7	.	.	.	.								
<i>Quercus wislizenii frutescens</i> Shrub interior live oak	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	3	.	.	.	1	2	2	1	.	3	3	.	.	.	.								
<i>Ranunculus hebecarpus</i> Slender annual buttercup	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.								
<i>Ranunculus muricatus</i> Prickle-fruit buttercup	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.								
<i>Ranunculus occidentalis eisenii</i> Western buttercup	.	.	2	.	2	2	.	.	.	.	.	6	6	2	.	2	2	2	6	6	2	.	2	.	2	2	2	2	2	2	2	4	.	.							
<i>Ranunculus occidentalis ultramontanus</i>	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
<i>Raphanus sativus</i> Wild radish	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2	.	.	.	.	.	.	.								
<i>Rhamnus californica tomentella</i> Chaparral coffeeberry	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	7	.	.	.	1	.	2	6	1	1	2	7	.	.	.	.							
<i>Rhamnus crocea ilicifolia</i> Hollyleaf redberry	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.	2	.	7	.	.	.	2	.	4	.	.	5	.	.	.	.	.	.								
<i>Rhamnus purshiana</i> Cascara sagrada	.	.	4	.	.	.	.	.	.	.	.	.	4	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
<i>Rhamnus rubra</i> Sierra coffeeberry	.	2	1	2	4	2	.	4	.	4	.	.	6	6	2	4	3	7	2	3	.	6	6	4	4	.	2	.	1	2	4	.	.								
<i>Rhododendron occidentale</i> Western azalea	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1	1	.	.	v/	.	.	.	.	.	.	.	.	.	.	.									
<i>Rhus diversiloba</i> Pacific poison-oak	.	2	.	.	.	4	.	.	.	.	4	6	1	4	2	3	7	2	3	7	3	.	.	3	2	2	6	3	3	2	3	7	.	.							
<i>Rhus trilobata quinata</i> Common squaw bush	.	3	3	.	7	3	b/.	4	.	.	7	7	3	2	2	1	3	.	.	.	2	.	3	.	7	.	.	.	.	.	.	.	.	.							
<i>Ribes spp.</i> <sup>W</sup> Gooseberry, currant	1	1	2	1	3	2	.	.	.	.	2	2	2	2	3	1	2	3	2	3	.	.	.	.	.	.	2	.	.	.	.	.									
<i>Ribes cereum</i> Squaw currant	.	.	.	.	4	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
<i>Ribes nevadense</i> Sierra currant	2	3	2	5	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
<i>Ribes roezlii</i> Sierra gooseberry	2	3	2	6	.	.	.	.	.	.	4	2	.	2	4	4	6	.	4	5	4	4	4	.	.	.	4	.	.	.	.	.									
<i>Riglopappus leptocladus</i> Riglopappus	.	.	2	2	.	.	.	.	.	6	.	.	2	2	2	2	1	2	.	.	.	.	2	2	2	.	.	.	.	.	.	.	.								
<i>Rosa californica</i> California wild rose	.	.	.	.	.	.	.	.	.	.	2	1	.	2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	.							
<i>Rosa gymnocarpa</i> Wood rose	2	2	2	6	2	.	.	.	.	.	2	2	6	6	6	2	4	2	2	6	.	.	.	.	.	2	.	.	.	.	.	.									

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 Footnotes and detailed legend are at end of table.

Table 1 (Continued). Plant species of eastern Shasta County, California

Legend: 1 = SV map; 2 = SV plot; 3 = 2 and 1; 4 = Griffin plot; 5 = 4 and 1; 6 = 4 and 2; 7 = 4,2, and 1. Footnotes and detailed legend are at end of table.

Table 1 (Continued). Plant species of eastern Shasta County, California

Scientific name	Quadrangle of occurrence									
	15C-1	15C-3	15C-4	15D-1	15D-2	15D-3	16C-2	16C-3	21B-1	21B-2
Silene bridgesii Bridges campion	.	.	.	.	.	.	.	.	.	6.
Silene californica California scarlet campion	.	.	.	.	.	.	.	.	.	2.
Silene gallica Windmill pink	.	.	.	.	.	.	.	.	.	22.
Silene lemmonii Lemmon campion	2.	2.	.	.	.	.	2.	2.	6.	4.
Silene occidentalis	.	2.	.	.	.	.	.	.	.	.
Sisymbrium altissimum Tumble mustard	.	.	.	.	.	.	2.	.	.	2.
Sisymbrium officinale Hedge mustard	.	.	.	.	.	.	.	.	22.	.
Sisyrinchium bellum Blue-eyed grass	.	.	.	.	.	.	.	.	.	2.
Sitanion hystrrix Squirretail	.	2.	6.	2.	4.	4.	6.	6.	2.	6.
Sitanion jubatum Big squirretail	.	2.	.	.	.	6.	.	2.	2.	2.
Smilacina racemosa amplexicaulis Fat solomon	2.	2.	2.	6.	2.	.	.	2.	2.	6.
Smilax californica Greenbrier	.	.	4.	.	.	.	4.	.	2.	.
Solanum parishii	.	.	.	.	.	.	.	.	6.	.
Solidago californica California goldenrod	.	.	.	.	.	.	4.	.	262.	.
Sorbus scopulina Mountain ash	.	.	4.	.	.	.	.	.	.	.
Spiraea douglasii Douglas spiraea	.	3.	1.	1.	.	.	.	1.	2.	1.
Stellaria jamesiana Sticky starwort	2.	2.	2.	4.	.	.	.	2.	.	.
Stellaria media Common chickweed	.	.	.	.	.	.	.	2.	.	.
Stellaria nitens Smooth chickweed	.	.	.	.	.	.	4.	.	.	.
Stephanomeria lactucina Forest stephanomeria	.	.	.	.	.	.	2.	2.	4.	24.
Stephanomeria paniculata	.	.	.	.	.	.	4.	.	.	.
Stipa californica California stipa	.	2.	2.	2.	2.	.	4.	4.	222.	26.
Stipa elmeri Elmer stipa	.	.	4.	.	4.	.	6.	4.	.	.
Stipa lemmonii Lemmon stipa	.	2.	2.	2.	2.	4.	4.	6.	222.	242.
Stipa lettermanii Letterman stipa	.	.	.	.	.	.	.	2.	.	.
Stipa occidentalis Western stipa	.	.	4.	.	.	4.	.	.	.	4.
Stipa pulchra Purple stipa	.	.	.	.	.	.	.	.	.	.
Stipa stillmanni Stillman stipa	.	.	.	.	.	.	.	4.	42.	6.
Stipa thurberiana Thurber stipa	.	2.	.	.	4.	4.	.	4.	.	.
Streptanthus tortuosus	2.	.	.	4.	4.	.	4.	.	.	.

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 Footnotes and detailed legend are at end of table.

Table 1 (Continued). Plant species of eastern Shasta County, California

Scientific name Common name	Quadrangle of occurrence																																								
	15C-1	15C-3	15C-4	15D-1	15D-2	15D-3	15D-4	16C-2	16C-3	21B-1	21B-2	21B-3	21B-4	21C-1	21C-2	21C-3	21C-4	22A-1	22A-2	22A-3	22A-4	22B-1	22B-2	22B-3	22B-4	22C-1	22C-2	22C-3	22C-4	22D-1	22D-2	22D-3	22D-4	23A-4	23D-1	23D-2	23D-3	23D-4	32A-1	32A-2	33B-1
Styrax officinalis californica																																									
California storax	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.				
Symporicarpus acutus																																									
Spreading snowberry	3	1	3	3	3	7	3	.	.	4	.	.	4	.	.	6	3	6	3	7	7	7	7	7	6	7	6	6	.	.	.	2	2	6							
Symporicarpus rivularis																																									
Common snowberry	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	3	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.					
Symporicarpus vaccinoides																																									
Mountain snowberry	.	.	.	.	b/.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
Taeniatherum asperum																																									
(Elymus caput-medusae)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	2	2	.	.	2	2	2	2	2	2	2	2	2	2	2	2						
Medusahead	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
Taraxacum officinale																																									
Common dandelion	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
Tauschia hartwegii																																					2				
Tauschia	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
Taxus brevifolia																																									
Pacific yew	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	4	5	1	7	1	.	.	.	.	.	.	.	.	.	.	.	.	.						
Thalictrum spp.																																									
Meadow rue	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
Thermopsis argentata																																									
Silver false-lupine	.	.	.	6	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.					
Thysanocarpus curvipes																																									
Fringe pod	.	.	.	6	2	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.					
Thysanocarpus curvipes elegans																																									
Lace pod	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
Thysanocarpus radians																																									
Fringe pod	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2				
Torilis arvensis																																									
Field hedge parsley	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2	2					
Torilis japonica																																									
Japanese hedge parsley	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.					
Torilis nodosa																																									
Knotted hedge parsley	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2	2	2	.	.	2	2	2	2	2	2	2	2	2	2	2	2							
Torreya californica																																					x/				
California nutmeg	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
Trichostema lanceolatum																																									
Vinegar weed	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.					
Trichostema oblongum																																									
Trichostema simulatum																																									
Siskiyou blue-curls	.	.	.	2	2	.	.	.	.	.	.	.	.	.	.	2	2	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
Trientalis latifolia																																									
Star flower	.	2	.	4	2	.	.	.	.	.	.	.	.	.	.	2	6	6	6	6	2	6	6	2	6	2	2	.	.	2	2	2	2								
Trifolium albopurpureum																																									
Rancheria clover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.					
Trifolium bifidum																																									
Pinole clover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2	.	.	.	.	2	2	2	.	2	.	2	.	2	.	2							
Trifolium breweri																																									
Forest clover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.					
Trifolium ciliolatum																																									
Tree clover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2	.	.	.	.	2	2	2	.	2	2	2	2	.	.	.							
Trifolium cyathiferum																																									
Bowl clover	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.					
Trifolium depauperatum																																									
Dwarf sac clover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2	2			
Trifolium dubium																																									
Shamrock clover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2	2				
Trifolium eriocephalum																																									
Trifolium gracilentum																																									
Pin-point clover	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2	.				

Legend: 1 = SV map; 2 = SV plot; 3 = 2 and 1; 4 = Griffin plot; 5 = 4 and 1; 6 = 4 and 2; 7 = 4,2, and 1.  
Footnotes and detailed legend are at end of table.

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Table 1 (Continued). Plant species of eastern Shasta County, California

Scientific name Common name	Quadrangle of occurrence																																									
	15C-1	15C-3	15C-4	15D-1	15D-2	15D-3	15D-4	16C-2	16C-3	21B-1	21B-2	21B-3	21B-4	21C-1	21C-2	21C-3	21C-4	22A-1	22A-2	22A-3	22A-4	22B-1	22B-2	22B-3	22B-4	22C-1	22C-2	22C-3	22C-4	22D-1	22D-2	22D-3	22D-4	23A-4	23D-1	23D-2	23D-3	23D-4	32A-1	32A-2	33A-2	33B-1
Trifolium hirtum Rose clover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	.	.	2	2	2	2	2	.	2	2	2	2	2	2	2	2	2	2	2				
Trifolium longipes Summer clover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
Trifolium microcephalum Maiden clover	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2	.	.	.	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
Trifolium olivaceum columbinum Dove clover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
Trifolium repens White clover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
Trifolium spinulosum Mountain clover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
Trifolium subterraneum Sub clover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	2	2	.	.	.	2	2	2	2	2	2	2	2	2	2	2					
Trifolium tridentatum Tomcat clover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2	2	.	.	.	2	2	2	2	2	2	2	2	2	2	2	2	2						
Trifolium variegatum White-tip clover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	2	.	2	2	2	2	2	2	2	2	2	2	2	2	2					
Trillium chloropetalum Common trillium	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.								
Trillium ovatum Western trillium	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
Trisetum cernuum canescens Tall trisetum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	4	6	4	6	6	2	6	6	.	.	.	.	.	.	.	.	.	4	.					
Triticum aestivum Wheat	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.								
Tsuga mertensiana Mountain hemlock	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	1	.	.	.	.	.	.	.	.	.	.	.										
Typha latifolia Common cattail	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.									
Umbellularia californica Shrub California laurel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.					
Umbellularia californica California laurel, bay tree	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	4	1	.	.	.	1	3	.	.	.	.	.	.	.	.	.			
Veratrum insolitum Siskiyou false hellebore	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.					
Verbascum blattaria Moth mullein	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.								
Verbascum thapsus Common mullein	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2	2	.	2	2	2	.	2	2	.	.	2	.	2	.	.	.	.							
Vicia americana oregana American vetch	2	2	2	2	2	2	.	.	.	.	.	.	.	.	.	2	.	6	2	6	2	2	.	.	.	.	.	4	.	.	2	6	.	.	.							
Vicia americana oregana truncata American vetch	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.					
Vicia benghalensis Purple vetch	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	.	.	.	.	.	.	.	.				
Vicia californica California vetch	.	.	2	6	.	4	.	4	.	6	6	2	.	.	2	4	.	2	6	4	4	.	.	2	.	2	4	.	.	.	.	.	.	.	.							
Vicia dasycarpa Woolypod vetch	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	2	.	.	2	.	.	2	.	.	.	.	.	.	.	.	.	
Vicia sativa Pubescent common vetch	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Viola bakeri Baker violet	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.	2	.	.	.	2	.	.	2	2	.	.	.	.	.	.	.	.	.	.	.				
Viola beckwithii	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
Viola douglasii	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Viola lobata Pine violet	.	2	.	2	.	.	.	.	.	.	.	.	.	.	2	2	2	2	2	.	.	2	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		

Legend: 1 = SV map; 2 = SV plot; 3 = 2 and 1; 4 = Griffin plot; 5 = 4 and 1; 6 = 4 and 2; 7 = 4,2, and 1.  
 Footnotes and detailed legend are at end of table.

Table 1 (Continued). Plant species of eastern Shasta County, California

Legend

Numbers 1 through 7 in the body of the table signify the presence of a species in the 7.5-minute quadrangle indicated according to the following records:

1. Species is listed in the legend of the Soil-Vegetation map as shown in one or more delineated types on the Soil-Vegetation map. Minimum type size is 10 acres. To be mapped in a type, a species must occupy a minimum of 5 percent of ground space measured by projection of the crowns.
2. Species is listed in the legend of Soil-Vegetation map as occurring on one or more type-acre plots shown on the Soil-Vegetation map. All recognizable species are recorded on these plots.
3. Combines 1 and 2.
4. Species is listed as occurring on one or more of Griffin's (1967) study plots.
5. Combines 4 and 1.
6. Combines 4 and 2.
7. Combines 4, 2, and 1.

Footnotes

- a/ Species noted by Kuijt (1960).
- b/ Species noted by Stone (1965) in the vicinity of Timbered Crater stand of Cupressus bakeri bakeri.
- c/ Noted near Viola by Sprague (1962).
- d/ Noted in this area by McMinn (1951).
- e/ Much of Shasta County material may be var. shastensis but was not separated on Soil-Vegetation Survey records.
- f/ Rare in Shasta County south and east of Pit River; scattered trees in 22B-2 along Cove Road and in 22C-1 along road between Kilarc Power House and Kilarc Reservoir.
- g/ Shown on S-V records with symbol "Amx" and described but not named by Mallory et al. (1965a). Present name by Wells (1968). This taxon may be closer to A. patula than to A. manzanita, but chromosome counts will be needed.
- h/ A few individuals observed near McCumber Dam appear to be at the highest elevation (about 4,000 feet) for this new taxon.

Footnotes (Continued)

- i/ Name by Wells (1968); referred to as A. parryana var. pinetorum on S-V records (symbol "App"), and as A. obtusifolia in Griffin (1967).
- j/ Typical plants to 6 feet tall in chaparral; in mixed conifer forest, plants are shorter, leaves flatter, marginal teeth smaller, suggesting morphological intermediates with B. pumila.
- k/ May include var. scabra.
- l/ Occasional along streams at lower elevations.
- m/ Includes some specimens earlier called G. nuttallii, but these have not been reviewed with the new key in Munz (1968).
- n/ Subspecies mostly not differentiated.
- o/ Scattered individuals on Latour Butte (Lookout).
- p/ Includes individuals that may be var. purdiformis.
- q/ Along Highway 299 about a mile west of Hatchet Mountain summit.
- r/ Scattered trees up to 50 feet tall on north-facing slopes in canyon bottoms north of Hillcrest between Hatchet and Roaring Creeks (22B-1, 22B-2, 22B-3) and southwest of Sugar Pine Mountain along Clover Creek (22C-1).
- s/ Subspecies not differentiated.
- t/ Many shrubs on rocky volcanic ledges on east side may be var. melanocarpa.
- u/ On Hat Creek rim (21B-3) only the Q. kelloggii parent is present (Griffin, 1966).
- v/ Occasional along streams.
- w/ Much of this is R. roezlii.
- x/ Sheltered canyon bottoms along Bailey Creek and North Fork of Battle Creek; may be extreme northern end of range.
- y/ May be mostly var. aciculare.
- z/ One of five species collected from a uniformly very shallow 35-acre lake that usually dries by midsummer (5 mi SSW of Burney in 22A-3).
- aa/ Includes B. diandrus.

Table 2. Plant families and genera of eastern Shasta County, California

ACERACEAE		
Acer		
AMARYLLIDACEAE		
Allium		
Brodiaea		
AMMIACEAE		
Angelica	Ligusticum	Sanicula
Caucalis	Lomatium	Tauschia
Daucus	Osmorhiza	Torilis
Eryngium	Perideridia	
ANACARDIACEAE		
Rhus		
APOCYNACEAE		
Apocynum		
ARALIACEAE		
Aralia		
ARISTOLOCHIACEAE		
Aristolochia		
Asarum		
ASCLEPIADACEAE		
Asclepias		
ASPIDIACEAE		
Athyrium		
Cystopteris		
Polystichum		
ASTERACEAE		
Achillea	Chrysanthemus	Lasthenia (Baeria)
Achyrrachaena	Cirsium	Layia
Adenocaulon	Crepis	Lessingia
Agoseris	Crocidium	Machaeranthera
Anaphalis	Erigeron	Madia
Antennaria	Eriophyllum	Micropus
Anthemis	Filago	Microseris
Arnica	Gnaphalium	Rigiopappus
Artemesia	Grindelia	Senecio
Aster	Haplopappus	Solidago
Balsamorhiza	Helianthella	Stephanomeria
Blepharipappus	Hemizonia	Taraxacum
Calycadenia	Hieracium	Whitneya
Centaurea	Hypochoeris	
Chaenactis	Lactuca	Wyethia
Chrysanthemum	Lagophylla	

Table 2. Plant families and genera of eastern Shasta County, California (Continued)

BERBERIDACEAE

*Berberis*

BETULACEAE

*Alnus*  
*Corylus*

BLECHNACEAE

*Woodwardia*

BORAGINACEAE

*Amsinckia*  
*Cryptantha*  
*Cynoglossum*

*Hackelia*  
*Lithospermum*  
*Pectocarya*

*Plagiobothrys*

BRASSICACEAE

*Alyssum*  
*Arabis*  
*Athyrsanus*  
*Barbarea*  
*Brassica*  
*Capsella*

*Cardaria*  
*Dentaria*  
*Descurainia*  
*Draba*  
*Erysimum*  
*Lepidium*

*Raphanus*  
*Sisymbrium*  
*Streptanthus*  
*Thysanocarpus*

CALYCANTHACEAE

*Calycanthus*

CAMPANULACEAE

*Capanula*  
*Downingia*  
*Githopsis*

CAPRIFOLIACEAE

*Linnaea*  
*Lonicera*

*Sambucus*  
*Syphoricarpos*

CARYOPHYLLACEAE

*Arenaria*  
*Cerastium*  
*Kohlrauschia (Tunica)*  
*Stellaria*

CELASTRACEAE

*Paxistima*

COMPOSITAE (See ASTERACEAE)

CONVOLVULACEAE

*Calystegia*  
*Convolvulus*

Table 2. Plant families and genera of eastern Shasta County, California (Continued)

CORNACEAE		
Cornus		
CRASSULACEAE		
Parvisedum		
CRUCIFERAE (See BRASSICACEAE)		
CUCURBITACEAE		
Marah		
CUPRESSACEAE		
Calocedrus (Libocedrus)		
Cupressus		
Juniperus		
CUSCUTACEAE		
Cuscuta		
CYPERACEAE		
Carex		
Eleocharis		
EQUISETACEAE		
Equisetum		
ERICACEAE		
Arbutus	Phyllodoce	
Arctostaphylos	Rhododendron	
Ledum		
EUPHORBIACEAE		
Eremocarpus		
Euphorbia		
FABACEAE		
Astragalus	Lotus	Thermopsis
Cercis	Lupinus	Trifolium
Lathyrus	Medicago	Vicia
FAGACEAE		
Chrysolepis (Castanopsis)		
Lithocarpus		
Quercus		
FUMARIACEAE		
Corydalis		
Dicentra		

Table 2. Plant families and genera of eastern Shasta County, California (Continued)

GARRYACEAE	
<i>Garrya</i>	
GENTIANACEAE	
<i>Centaurium</i>	
<i>Frasera</i>	
GERANIACEAE	
<i>Erodium</i>	
<i>Geranium</i>	
GRAMINEAE (See POACEAE)	
HIPPOCASTANACEAE	
<i>Aesculus</i>	
HYDROPHYLLACEAE	
<i>Eriodictyon</i>	<i>Nama</i>
<i>Hesperochiron</i>	<i>Nemophila</i>
<i>Hydrophyllum</i>	<i>Phacelia</i>
HYPERICACEAE	
<i>Hypericum</i>	
IRIDACEAE	
<i>Iris</i>	
<i>Sisyrinchium</i>	
ISOETACEAE	
<i>Isoetes</i>	
JUNCACEAE	
<i>Juncus</i>	
<i>Luzula</i>	
LABIATAE (See LAMIACEAE)	
LAMIACEAE	
<i>Marrubium</i>	<i>Salvia</i>
<i>Monardella</i>	<i>Scutellaria</i>
<i>Pogogyne</i>	<i>Trichostema</i>
<i>Prunella</i>	
LAURACEAE	
<i>Umbellularia</i>	
LEGUMINOSAE (See FABACEAE)	

Table 2. Plant families and genera of eastern Shasta County, California (Continued)

<u>LILIACEAE</u>			
Calochortus	Fritillaria	Smilax	<u>HYDRANTHIDIAE</u>
Chlorogalum	Lilium	Trillium	<u>ORCHIDACEAE</u>
Clintonia	Odontostomum	Veratrum	<u>MELIACEAE</u>
Disporum	Smilacina	Zigadenus	
<u>LIMNANTHACEAE</u>			
Limnanthes			
<u>LINACEAE</u>			
Linum			
<u>LOASACEAE</u>			
Mentzelia			
<u>LORANTHACEAE</u>			
Arceuthobium			
Phoradendron			
<u>LYTHRACEAE</u>			
Lythrum			
<u>MALVACEAE</u>			
Sidalcea			
<u>OLEACEAE</u>			
Fraxinus			
<u>ONAGRACEAE</u>			
Boisduvalia	Gayophytum		<u>BAUDUALES</u>
Clarkia	Oenothera		<u>BAUDUARIACEAE</u>
Epilobium			
<u>ORCHIDACEAE</u>			
Corallorrhiza	Goodyera		<u>HABENARIIDAE</u>
Europhyton	Habenaria		<u>PLATYPODIIDAE</u>
<u>PAEONIACEAE</u>			
Paeonia			
<u>PAPAVERACEAE</u>			
Argemone			
Eschscholzia			
<u>PINACEAE</u>			
Abies	Pseudotsuga		
Picea	Tsuga		
Pinus			

Table 2. Plant families and genera of eastern Shasta County, California (Continued)

PLANTAGINACEAE

*Plantago*

PLATANACEAE

*Platanus*

POACEAE

*Agropyron*

*Agrostis*

*Aira*

*Alopecurus*

*Aristida*

*Avena*

*Briza*

*Bromus*

*Cynodon*

*Cynosurus*

*Dactylis*

*Danthonia*

*Xanthium*

*Mitchella*

*Curtisella*

*Curvularia*

*Deschampsia*

*Elymus*

*Festuca*

*Gastridium*

*Holcus*

*Hordeum*

*Koeleria*

*Lolium*

*Melica*

*Muhlenbergia*

*Oryzopsis*

*Panicum*

*Abutilon*

*Adonis*

*Aconitum*

Table 2. Plant families and genera of eastern Shasta County, California (Continued)

PTERIDACEAE		
<i>Adiantum</i>	<i>Pellaea</i>	ASpleniales Blechnales
<i>Cheilanthes</i>	<i>Pityrogramma</i>	
<i>Onychium</i>	<i>Pteridium</i>	
PYROLACEAE		GAZALIACEAE Pyrolales
<i>Chimaphila</i>	<i>Pyrola</i>	
<i>Pterospora</i>	<i>Sarcodes</i>	
RANUNCULACEAE		MARDARITAE Ranunculales
<i>Aconitum</i>	<i>Clematis</i>	
<i>Actaea</i>	<i>Delphinium</i>	
<i>Anemone</i>	<i>Ranunculus</i>	
<i>Aquilegia</i>	<i>Thalictrum</i>	
Rhamnaceae		MARDARITAE Rhamnales
<i>Ceanothus</i>		
<i>Rhamnus</i>		
ROSACEAE		MARDARITAE Rosales
<i>Adenostoma</i>	<i>Holodiscus</i>	
<i>Amelanchier</i>	<i>Horkelia</i>	
<i>Cercocarpus</i>	<i>Luetkea</i>	
<i>Chamaebatia</i>	<i>Osmaronia</i>	
<i>Chamaebatiaria</i>	<i>Peraphyllum</i>	
<i>Crataegus</i>	<i>Potentilla</i>	
<i>Fragaria</i>		
RUBIACEAE		
<i>Crucianella</i>	<i>Kelloggia</i>	
<i>Galium</i>	<i>Sherardia</i>	
RUTACEAE		
<i>Ptelea</i>		
SALICACEAE		
<i>Populus</i>	<i>Salix</i>	
SANTALACEAE		
<i>Comandra</i>		
SAXIFRAGACEAE		
<i>Lithophragma</i>	<i>Peltiphyllum</i>	
<i>Mitella</i>	<i>Philadelphus</i>	
Ribes		
SCROPHELARIACEAE		
<i>Antirrhinum</i>	<i>Gratiola</i>	
<i>Castilleja</i>	<i>Mimulus</i>	
<i>Collinsia</i>	<i>Orthocarpus</i>	
Pedicularis		
Penstemon		
Verbascum		

Table 2. Plant families and genera of eastern Shasta County, California (Continued)

SOLANACEAE

*Solanum*

STERCULIACEAE

*Fremontodendron*

STYRACACEAE

*Styrax*

TAXACEAE

*Taxus*

*Torreya*

TYPHACEAE

*Typha*

UMBELLIFERAE (See AMMIACEAE)

VALERIANACEAE

*Plectritis*

VIOLACEAE

*Viola*

VITACEAE

*Vitis*

Table 3. Topographic map quadrangles, 15-minute series, covering eastern Shasta County.

Number	U. S. Geological Survey name
15C <u>1</u> /	Big Bend
15D	Pondosa
16C	Fall River Mills
21B	Jellico
21C	Prospect Peak
22A	Burney
22B	Montgomery Creek
22C	Whitmore
22D	Manzanita Lake
23A	Bollibokka Mountain
23D	Millville
32A	Tuscan Buttes
33A	Lassen Peak
33B	Manton
34A	Mt. Harkness

1/ Numbers for 7.5-minute quadrangles are formed by adding a digit for quadrant of 15-minute quadrangle. Thus northeast, northwest, southwest, and southeast quadrants of Big Bend (15C) are numbered 15C-1, 15C-2, 15C-3, and 15C-4, respectively.



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