

reaction irreversibility or by formation of two or more complex species in equilibrium with each other. In this last case it is necessary to apply the method by De Ford and Hume paragraph (d) (8) of this section to calculate stepwise formation constants.

(2) *Test report.* (i) The test report should list for each metal ion investigated the half-wave potential  $E_{1/2}$ , co-ordination number and overall stability constant.

(ii) In addition, the following should also be reported:

(A) Type of polarisable micro-electrode, the reference electrode and, in the case of the dropping mercury electrode, the flow rate in mg/sec and drop time.

(B) IR correction (if applied).

(C) Maxima suppressors (if used).

(D) Supporting electrolyte.

(E) Buffer.

(F) Temperature of measurement.

(G) Total ionic strength.

(H) Technique applied (pilot ion, standard addition, or other).

(I) Technical difficulties encountered.

(J) Estimate of accuracy.

(K) Polarographic technique employed (e.g., DC-, AC, polarography, single sweep polarography, radio frequency

polarography or square-wave polarography).

(3) *Interpretation and evaluation of results.* (i) Stability constants determined for a new substance can be compared with literature values for standard substances (see Reference substances, above) and used therefore to evaluate the strength of its complexing ability.

(ii) The system is physically meaningful if (A) the value of the stability constant is positive and (B) the standard error is less than the constant (the t-test should be used as a criterion).

(iii) If data are not significant, it is necessary to use methods based on different physicochemical principles, such as spectrophotometry or nuclear magnetic resonance spectrometry.

(d) *Literature references.* For additional background information on this test guideline the following references should be consulted:

(1) Vogel, A.I., Basset, J. *Vogel's Textbook of Qualitative Inorganic Analysis*. Chapter XIX, 4th Ed. (Wiley: New York, 1978).

(2) Crow, D.R., Westwood, J.V., "The Study of Complexed Metal Ions by Polarographic Methods", *Quarterly Review* 19: 51 (1965).

(3) Irving, H., "The Stability of Metal Complexes and Their Measurement Polarographically," *Advances in Polarography Proceedings of the 2nd International Congress*, Ed. I.S. Langmuir (Pergamon Press, 1960).

(4) Perrin, D.D., Dempsey, B., *Buffer for pH and Metal Ion Controls*. (Chapman and Hall: London, 1974).

(5) "Stability Constants of Metal-ion Complexes." Part B, *Organic Ligands*, Compiled by D.D. Perrin. IUPAC Publication on Chemical Data Series, No. 22 (Pergamon Press, 1979)

(6) Grabaric, B., Tkalcec, M., Piljac, I., Filipovic, I., Simeon, V., "Numerical Evaluation of Complex Stability Constants from Polarographic Data for Quasi-Reversible Processes," *Analytica Chimica Acta* 74: 147, (1975).

(7) Piljac, I., Grabaric, B., Filipovic, I., "Improved Technique for Determination of Stability Constants by Polarographic Method," *Journal of Electroanalytical Chemistry Interfacial Electrochemistry*, 42:433 (1973).

(8) De Ford, D.D., Hume, D.N., "The Determination of Consecutive Formation Constants of Complex Ions from Polarographic Data," *American Chemical Society Journal*, 73:5321 (1951).  
[FR Doc. 85-23077 Filed 9-26-85; 8:45 am]

BILLING CODE 6560-50-M

# **federal register**

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Friday  
September 27, 1985

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**Part III**

## **Department of Labor**

**Employment Standards Administration,  
Wage and Hour Division**

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**Minimum Wages for Federal and  
Federally Assisted Construction; General  
Wage Determination Decisions; Notice**



## DEPARTMENT OF LABOR

Employment Standards  
Administration, Wage and Hour  
DivisionMinimum Wages for Federal and  
Federally Assisted Construction;  
General Wage Determination  
Decisions

General wage determination decisions of the Secretary of Labor specify, in accordance with applicable law and on the basis of information available to the Department of Labor from its study of local wage conditions and from other sources, the basic hourly wage rates and fringe benefit payments which are determined to be prevailing for the described classes of laborers and mechanics employed on construction projects of the character and in the localities specified therein.

The determinations in these decisions of such prevailing rates and fringe benefits have been made by authority of the Secretary of Labor pursuant to the provisions of the Davis-Bacon Act of March 3, 1931, as amended (46 Stat. 1494, as amended 40 U.S.C. 276a) and of other Federal statutes referred to in 29 CFR 5.1 (including the statutes listed at 36 FR 306 (1970) following Secretary of Labor's Order No. 24-70) containing provisions for the payment of wages which are dependent upon determination by the Secretary of Labor under the Davis-Bacon Act; and pursuant to the provisions of part 1 of subtitle A of title 29 of Code of Federal Regulations Procedure for Predetermination of Wage Rates, 48 FR 19533 (1983) and of Secretary of Labor's Orders 9-83, 48 FR 35736 (1983), and 6-84, 49 FR 32473 (1984). The prevailing rates and fringe benefits determined in these decisions shall, in accordance with the provisions of the foregoing statutes, constitute the minimum wages payable on Federal and federally assisted construction projects to laborers and mechanics of the specified classes engaged on contract work of the character and in the localities described therein.

Good cause is hereby found for not utilizing notice and public procedure thereon prior to the issuance of these determinations as prescribed in 5 U.S.C. 553 and not providing for delay in the effective date as prescribed in that section, because the necessity to issue construction industry wage determination frequently and in large volume causes procedures to be impractical and contrary to the public interest.

General wage determination decisions are effective from their date of publication in the **Federal Register** without limitation as to time and are to be used in accordance with the provisions of 29 CFR Parts 1 and 5. Accordingly, the applicable decision together with any modifications issued subsequent to its publication date shall be made a part of every contract for performance of the described work within the geographic area indicated as required by an applicable Federal prevailing wage law and 29 CFR Part 5. The wage rates contained therein shall be the minimum paid under such contract by contractors and subcontractors on the work.

Modifications and Supersedeas  
Decisions to General Wage  
Determination Decisions

Modifications and supersedeas decisions to general wage determination decisions are based upon information obtained concerning changes in prevailing hourly wage rates and fringe benefit payments since the decisions were issued.

The determinations of prevailing rates and fringe benefits made in the modifications and supersedeas decisions have been made by authority of the Secretary of Labor pursuant to the provisions of the Davis-Bacon Act of March 3, 1931, as amended (46 Stat. 1494, as amended, 40 U.S.C. 276a) and of other Federal statutes referred to in 29 CFR 5.1 (including the statutes listed at 36 FR 306 (1970) following Secretary of Labor's Order No. 24-70) containing provisions for the payment of wages which are dependent upon determination by the Secretary of Labor under the Davis-Bacon Act; and pursuant to the provisions of Part 1 of Subtitle A of Title 29 of Code of Federal Regulations Procedure for Predetermination of Wage Rates, 48 FR 19533 (1983) and of Secretary of Labor's Order 6-84, 49 FR 32473 (1984). The prevailing rates and fringe benefits determined in foregoing general wage determination decisions, as hereby modified, and/or superseded shall, in accordance with the provisions of the foregoing statutes, constitute the minimum wages payable on Federal and federally assisted construction projects to laborers and mechanics of the specified classes engaged in contract work of the character and in the localities described therein.

Modifications and supersedeas decisions are effective from their date of publication in the **Federal Register** without limitation as to time and are to

be used in accordance with the provisions of 29 CFR Parts 1 and 5.

Any person, organization, or governmental agency having an interest in the wages determined as prevailing is encouraged to submit wage rate information for consideration by the Department. Further information and self-explanatory forms for the purpose of submitting this data may be obtained by writing to the U.S. Department of Labor, Employment Standards Administration, Wage and Hour Division, Office of Program Operations, Division of Wage Determinations, Washington, D.C. 20210. The cause for not utilizing the rulemaking procedures prescribed in 5 U.S.C. 553 has been set forth in the original General Determination Decision.

Modification to General Wage  
Determination Decisions

The numbers of the decisions being modified and their dates of publication in the **Federal Register** are listed with each State.

Arkansas: AR84-4090.....	Jan. 13, 1984.
California: CA85-5035.....	Sept. 6, 1985.
Iowa:	
IA84-4031.....	May 11, 1984.
IA84-4109.....	Dec. 21, 1984.
IA84-4042.....	June 15, 1984.
Kansas:	
KS84-4052.....	Aug. 24, 1984.
KS84-4053.....	Do.
KS84-4107.....	Dec. 14, 1984.
New Jersey:	
NJ85-3031.....	Aug. 2, 1985.
NJ85-3032.....	July 19, 1985.
New Mexico: NM85-4014.....	June 14, 1985.
Nevada: NV84-5014.....	June 8, 1984.
New York: NY85-3039.....	July 26, 1985.

Supersedeas Decision to General Wage  
Determination Decisions

The numbers of the decisions being modified and their dates of publication in the **Federal Register** are listed with each State. Supersedeas decision numbers are in parentheses following the numbers of the decisions being superseded.

Iowa: IA82-4044 (IA85-4040).	Aug. 27, 1982.
Maryland: MD85-3052 (MD85-3053).	Sept. 13, 1985.

Signed at Washington, D.C. this 20th day of September 1985.

James L. Valin,  
Assistant Administrator.

BILLING CODE 4510-27-M



MODIFICATIONS P. 1

DECISION NO., 1984-4090 MOD. # 1 - (49FR33784 - January 13, 1984) Garland, Clark & Mot Springs Co., Arkansas	DECISION # 2584-4031-MOD. #1 (49 FR 2022- May 11, 1984) POTTAWATTOMIE COUNTY, IOWA	DECISION #1884-4109-MOD. #2 (49 FR 4931- Dec 21, 1984) SCOTT COUNTY, IOWA	DECISION #1884-4042-MOD. #3 (49 FR 2855- June 15, 1984) WOODBURY COUNTY, IOWA
CHARGE: Bricklayers: Garland & Clark Cos. Sprinkler fitters	CHARGE: Boilermakers Sheet Metal Workers Sprinkler Fitters	CHARGE: Boilermakers Bricklayers Sprinkler Fitters	CHARGE: Cement Masons: On projects \$750,000 over On projects over \$750,000 Laborers: Group 1 Group 2 Sheet Metal Workers
Basic Hourly Rate: \$12.95 Fringe Benefits: 14.80	Basic Hourly Rate: \$17.345 Fringe Benefits: 17.64 17.00 3.40	Basic Hourly Rate: \$17.345 Fringe Benefits: 17.64 17.00 3.40	Basic Hourly Rate: \$12.80 Fringe Benefits: 14.08 8.30 2.36 8.45 2.36 11.83 2.62

(2)

MODIFICATIONS P. 2

DECISION NO., 1984-4052 - MOD. # 3 - (49FR33780 - August 24, 1984) Sedgewick County, Kansas	DECISION #2884-4052 (cont. #2) Laborers Definition Cont'd
CHARGE: SMITH LABORERS (SITE PREP- ARATION & GRADING): GROUPS 3 & 4 MAKE RATES AND DEFINITIONS CHANGE: ASBESTOS WORKERS BOILERMAKERS LABORERS (SITE PREPARA- TION AND GRADING): Group 1 Group 2 LINE CONSTRUCTION Linemen Cable Splicers Groundman Powderman Line Truck & Equipment Operators PLASTERERS SPRINKLER FITTERS TILE, MASONRY & TERRAZZO WORKERS TRUCK DRIVERS (SITE PRE- PARATION & GRADING): Group 1 Group 2 Group 3 Channe: Laborers (Site Preparation & Grading) Definition for Groups 1 & 2 to Read: Group 1: Board Mat Weavers, Cable Tiers Georgia Booby (Manually operated), Mixerman-50 Skip Lift, Salsander Tenders, Tractor Men, Tractor Swapper, Truck Dumper, Wire Mesh Setter, Water Pump up to 4 inches, and all other general laborers including Flappers.	Basic Hourly Rate: \$15.88 Fringe Benefits: 16.20 6.35 6.60 16.97 17.17 10.17 13.97 13.97 14.25 17.00 13.70 9.40 9.50 9.65

(3)



MODIFICATIONS P. 4

MODIFICATIONS P. 3

Decision No., Mod. #, Date, and Description	Basic Hourly Rate	Fringe Benefits
DECISION NO. NJ85-3031 MOD. NO. 6 150 FR 31459 - August 2, 1985 Bergen, Essex, Hudson (excluding Ellis Island and Statue of Liberty Island), Hunterdon, Middlesex, Morris, Passaic, Somerset, Sussex, Union and Warren Counties, New Jersey OMIT: LABORERS: ZONE 18: (Heavy & Highway Const.) Group 2 Power Tool Operators ADD: LABORERS: ZONE 18: Heavy & Highway Const. Group 1 Flayers Group 3 Power Tool Operators	\$14.89 12.70 13.70 14.68 11.00 17.00 15.50	\$1.25 1.80 1.80 3.65* 3* 1.78* 1.01 3.40
DECISION NO. NJ85-3032 MOD. NO. 5 150 FR 25594 - July 19, 1985 Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Mercer, Monmouth, Ocean, and Salem Counties, New Jersey ADD: HEAVY & HIGHWAY CONST. LABORERS: ZONE 1 Group 1 Flayers	\$16.59 16.59	
DECISION NO. NY85-4014 - MOD. #2 149 FR 24997 - June 24, 1985 Statewide (excluding Sooy and Lea Counties For Building Construction in New Mexico) CHANGE: Sprinkler Fitters	\$16.66	\$3.40
DECISION NO. NY85-4107 MOD. #1 - (49FR4881) December 14, 1984 Shawnee Co., Kansas CHANGE: SPRINKLERS CARPENTERS MILLWRIGHTS SHEET METAL WORKERS SORT FLOOR LAYERS SPRINKLER FITTERS TILE SETTERS	\$16.59	\$16.59
DECISION NO. NY84-5014 - Mod. #15 143 FR 21988 - June 8, 1984 Statewide (does not include the Test Range, or Building Construction in Churchill, Lyon and Mineral Counties, or Highway construction in Douglas County), Nevada CHANGE: Marble Setters: Area 1 Terrazzo Workers: Tile Setters: Area 1	\$16.59	\$16.59
DECISION NO. NY85-4014 - MOD. #2 149 FR 24997 - June 24, 1985 Statewide (excluding Sooy and Lea Counties For Building Construction in New Mexico) CHANGE: Sprinkler Fitters	\$16.66	\$3.40

(3)

(4)



SUPERSEDES DECISION

STATE: Iowa  
 COUNTY: Webster  
 DECISION NO.: IA85-4040  
 DATE: Date of Publication  
 SUPERSEDES DECISION NO.: IA82-4044, dated August 27, 1982 in 47 FR 38032.  
 DESCRIPTION OF WORK: Building Projects (Does not include single family homes and apartments up to and including 4 stories).

	Basic Hourly Rate	Fringe Benefits	Total
BRICKLAYERS	\$11.55	\$ 1.77	\$ 13.32
CARPENTERS	8.84		8.84
CEMENT MASONS	8.31		8.31
ELECTRICIANS	10.10	1.30	11.40
IRONWORKERS	10.59		10.59
LABORERS	5.79		5.79
PAINTERS	6.00		6.00
PLUMBERS & PIPE FITTERS	12.74	3.15	15.89

WELDERS: receive rate prescribed for craft performing operation to which the welding is incidental.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR, 5.5 (a) (1) (ii).

(6)

SUPERSEDES DECISION

STATE: MARYLAND  
 COUNTY: ALLEGANY AND GARRETT  
 DECISION NO.: MS85-3051  
 DATE: DATE OF PUBLICATION  
 SUPERSEDES DECISION NO.: MS85-3052 dated September 13, 1985 in 50 FR17475  
 DESCRIPTION OF WORK: Building Construction (Does not include single family homes and apartments up to and including 4 stories)

	Basic Hourly Rate	Fringe Benefits	Total
ASBESTOS WORKERS	15.45	5.72	21.17
BOILERMAKERS	13.90	3.75	17.65
BRICKLAYERS, MARBLE MASONS	15.34	1.55	16.89
STONE MASONS, TERRAZZO WORKERS, & TILE SETTERS	14.41	3.84	18.25
CARPENTERS	16.43	1.50	17.93
CEMENT MASONS & PLASTERERS	15.00	3.50+	18.50
ELECTRICIANS:			
Allegany & Garrett (East of Rt. 219 at the Lake)	15.42	3.50+	18.92
Garrett County (West of Rt. 219 at the Lake)	16.46	3.29+ and	19.75
ELEVATOR CONSTRUCTORS:			
Elevator Constructors	11.53	3.29+ and	14.82
Elevator Constructors' Helpers	8.235		8.235
Elevator Constructors' Probationary Helpers	13.44	3.98	17.42
GLAZIERS	15.60	3.55	19.15
IRONWORKERS:			
Structural, Ornamental, & Reinforcing	10.33	3.70	14.03
LABORERS:			
Water Boy	10.61	3.70	14.31
laborer, landscape worker, tool checker, dumpman, spotter, handyman			
Power tool operator, mason & plaster tender, mortar mixer by hand, scaffold builder, mortar mixer by machine, hood carrier, concrete pumper, rammer, grade checker, tapper, pipe-layer, asbestos worker, burner, large wacker			
LABORERS:			
Millwrights	14.92	3.84	18.76
Painters:			
Brush, wall covering hangers, installation of seamless type floors, use of flame burning and power tools			
Spray, roller, and sandblasting			
Toxic materials-brush and roller			
Toxic materials-spray			

(7)



DECISION NO.: MD85-305

PAINTERS DEFINITIONS

Group I - Residential and Commercial Work - schools, college dormitories, churches, retail and wholesale outlet stores, apartment buildings, hospitals, banks, residential structures, and buildings of a like nature.

Group II - Light Industrial Work - new construction and remodeling in existing manufacturing plants, including repair work in all areas not defined as hazardous, or over 50 feet in height.

Group III - Heavy Industrial and Hazardous Work - new industrial buildings under construction, power plants, hydro-electric plants, or any type of electric generating facility, boiler houses, and all other industrial work over 50 feet in height.

Group V - Dry Wall Work (finisher and taping)

DECISION NO.: MD85-3053

PAINTERS (Continued):

Group II  
Brush, roller, wall covering hangers, installation of seamless type floors  
Spray, sandblasting, use of flame burning and power tools  
Toxic materials-brush and roller  
Toxic materials-spray  
Group III  
Brush, wall covering hangers, installation of seamless type floors  
Spray, roller sandblasting, use of flame burning, use of power tools  
Epoxy materials-brush and spray  
Group IV  
PILER/RYVERN  
PLUMBERS & STEAMFITTERS

Basic Hourly Rate	Fringe Benefits	Basic Hourly Rate	Fringe Benefits
12.60	.50	15.88	3.30+c
13.60	.50		
14.10	.50		
11.60	.50	15.31	3.30+c
14.60	.50	14.72	3.30+c
14.10	.50	14.25	3.30+c
15.10	.50	13.74	3.30+c
13.10	.50	13.26	3.30+c
14.84	3.84	12.15	2.25
15.10	3.23	12.40	2.25
		12.30	2.25
		16.28	2.42
		16.90	2.40
		11.95	3.45
		12.17	3.45
		12.45	3.45
		12.70	3.45
		13.04	3.45
		13.39	3.45
		13.75	3.45

FOOTNOTES:  
a. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.  
b. Employer contributes 6% of basic hourly rate for under 5 years of service and 8% of basic hourly rate for over 5 years of service as Vacation Pay Credit.  
c. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, and Christmas Day.



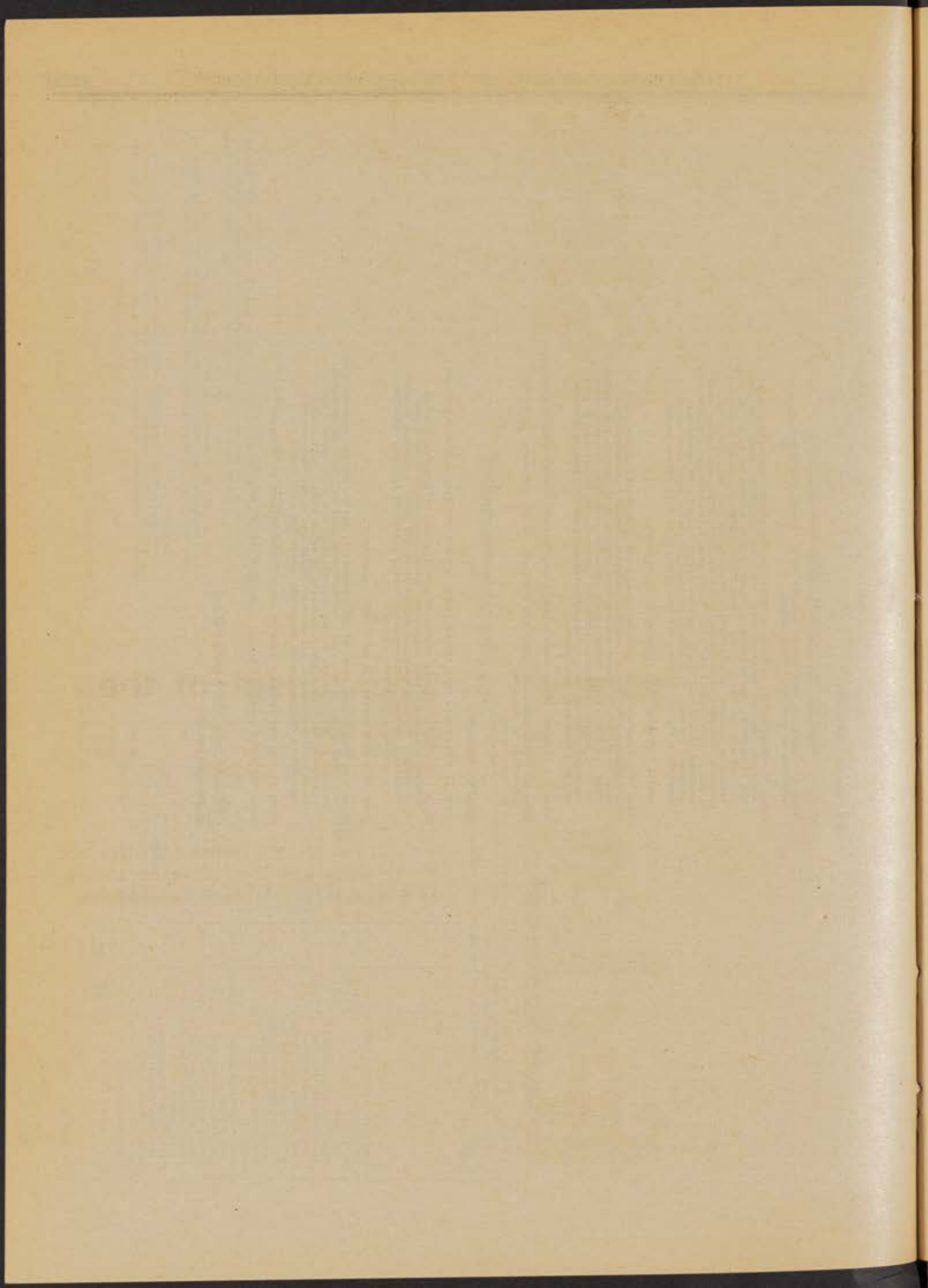
DECISION NO.: MD85-3053

POWER EQUIPMENT OPERATORS CLASSIFICATION DEFINITIONS

- Group I - Operators handling or setting steel, stone, pre-stressed concrete or machine. Tower Cranes.
- Group II - Backfiller, backhoe, concrete mixing plants, batching plants, cable way, derrick, derrick boat, dragline, elevating grader, compressors (2 or more), space heaters, hoist (2 active drums or more), pile driving machine, power crane, power shovel, standard gauge locomotive, trenching machine, tunnel mucking machine, suitley rig, certified welders, concrete paver, double concrete pump, front end loader (over 2 yds.), over welders top scale (more than 6, another man), Lincoln type overhead loader, wellpoint systems, mighty widget with compressor, equipment forams, twin engine scraper (25 yds. & over), mechanic, mechanic's welder, grader, all bulldozer, tire maintenance trucks.
- Group III - Tractor with attachments (2 or more).
- Group IV - Concrete mixer, concrete pump, one drum hoist, narrow gauge locomotive, power roller, asphalt spreader, pumps (not exceeding 4), well drill, engine driven welders (not exceeding 4), single compressors (over 210 CFM), steam hammer, pile extractor, conveyor, stone crusher, hi-lift, excavating scoop, front end loader (up to & including 2 yds.), finishing machine, bull float, longitudinal float, screeding machine, concrete spreader, sub grader.
- Group V - Fireman, track crane oiler, wheel tractor, grease truck operator.
- Group VI - Oiler, greaser, mechanic's helper. (single compressor over 180 CFM and up to 210 CFM).
- TRUCK DRIVERS CLASSIFICATION DEFINITIONS
- Group I - Dumpmen.
- Group II - Pick-ups, dump trucks (under 5 yds., capacity), straight trucks.
- Group III - Helpers, panel trucks, straight trucks with multiple axle, dumpsters (under 5 yds. capacity), transit mix, dumps 15 to 9 yds. capacity, flatbody material trucks (straight jobs), greasers, tiremen, mechanics' helpers, rubber-tired (towing & pushing flatbody vehicles), form trucks, dispatcher, yardmen.
- Group IV - Dump trucks (10 to 15 yds. capacity).
- Group V - Dump trucks (over 15 yds. capacity), button and end dump euclids, all other euclid type trucks, turnabokers, ross carriers, archey wagons, mechanics, semi-trailers or tractor-trailers, low boys, asphalt distributors, agitator mixer, dumpcarts or batch trucks, specialized earth moving equipment, off-highway tandem back-dump, twin engine equipment & double hitched equipment (where not self-loaded).
- Group VI - All equipment listed in Group V over 49 tons to 59 tons.
- Group VII - All equipment listed in Group V over 59 tons.

[FR Doc. 85-22919 Filed 9-26-85; 8:45 am]

BILLING CODE 4510-27-C





# federal register

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Friday  
September 27, 1985

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## Part IV

### Department of the Interior

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Fish and Wildlife Service

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#### 50 CFR Part 17

Endangered and Threatened Wildlife and  
Plants; Review of Plant Taxa for Listing  
as Endangered or Threatened Species;  
Notice of Review



## DEPARTMENT OF THE INTERIOR

## Fish and Wildlife Service

## 50 CFR Part 17

## Endangered and Threatened Wildlife and Plants; Review of Plant Taxa for Listing as Endangered or Threatened Species

**AGENCY:** Fish and Wildlife Service, Interior.

**ACTION:** Notice of review.

**SUMMARY:** The Service issues an updated notice of vascular plant taxa native to the United States that are being reviewed for possible addition to the List of Endangered and Threatened Plants under the Endangered Species Act of 1973, as amended. Changes from previous notices primarily involve additions of taxa to and deletions of taxa from active consideration, changes in category for candidate taxa, and additions and deletions in State distributions. While it is prudent to take candidate taxa into account in environmental planning, none of the substantive or procedural provisions of the Act apply to a species that is designated as a candidate for listing.

**DATE:** Comments are requested until further notice.

**ADDRESSES:** Interested persons or organizations should submit comments to the appropriate Regional Director(s) below or to: Director (OES), 500 Broyhill Building, U.S. Fish and Wildlife Service, Washington, D.C. 20240. Comments and materials relating to this notice are available for public inspection by appointment during usual business hours at the Service's Office of Endangered Species, Suite 500, 1000 North Glebe Road, Arlington, Virginia.

Information relating to particular taxa may be obtained from the Endangered Species Coordinator(s) in the appropriate Service Regional Office(s) listed below:

**Region 1.**—California, Hawaii, Idaho, Nevada, Oregon, Washington, and Pacific territories

Regional Director (ARD/FA), U.S. Fish and Wildlife Service, Suite 1692, Lloyd 500 Building, 500 N.E. Multnomah Street, Portland, Oregon 97232, Telephone: 503/231-6131 (FTS: 8/429-6131);

**Region 2.**—Arizona, New Mexico, Oklahoma, and Texas

Regional Director (ARD/AFF), U.S. Fish and Wildlife Service, 500 Gold Avenue, S.W., Albuquerque, New Mexico 87103, Telephone: 505/766-3972 (FTS: 8/474-3972);

**Region 3.**—Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, and Wisconsin

Regional Director (ARD/AFF), U.S. Fish and Wildlife Service, Federal Building, Fort Snelling, Twin Cities, Minnesota 55111, Telephone: 612/725-3276 (FTS: 8/725-3276);

**Region 4.**—Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Puerto Rico, and the Virgin Islands.

Regional Director (ARD/FA), U.S. Fish and Wildlife Service, The Richard B. Russell Federal Building, 75 Spring Street, S.W., Atlanta, Georgia 30303, Telephone: 404/221-3583 (FTS: 8/242-3583);

**Region 5.**—Connecticut, Delaware,

District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, and West Virginia

Regional Director (ARD/FA), U.S. Fish and Wildlife Service, Suite 700, One Gateway Center, Newton Corner, Massachusetts 02158, Telephone: 617/965-5100, ext. 316 (FTS: 8/829-9316, 7, 8);

**Region 6.**—Colorado, Kansas, Montana, Nebraska, North Dakota, South Dakota, Utah, and Wyoming

Regional Director (ARD/FA), U.S. Fish and Wildlife Service, P.O. Box 25486, Denver Federal Center, Denver, Colorado 80225, Telephone: 303/236-7398 (FTS: 8/776-7398);

**Region 7.**—Alaska

Regional Director (ARD/AFF), U.S. Fish and Wildlife Service, 1101 East Tudor Road, Anchorage, Alaska 99503, Telephone: 907/786-3435 (FTS: 8/907/786-3435).

**FOR FURTHER INFORMATION CONTACT:** Endangered Species Coordinator(s) in the appropriate Regional Office(s), or Mr. John L. Spinks, Jr., Chief, Office of Endangered Species, U.S. Fish and Wildlife Service, Washington, D.C. 20240, Telephone: 703/235-2771 (FTS: 8/235-2771).

**SUPPLEMENTARY INFORMATION:****Background**

The Endangered Species Act of 1973, as amended (Act), requires the Service to identify species of wildlife and plants that are endangered or threatened, based on the best available scientific and commercial data. Recognizing a special need to focus on the conservation of endangered and threatened plants, which had not previously been eligible for Federal protection, the 1973 Act directed the

Secretary of the Smithsonian Institution to prepare a report on endangered and threatened plant species and to recommend necessary conservation measures. The Smithsonian report, published as House Document No. 94-51, included a list of more than 3,000 native taxa. The Service published a notice on July 1, 1975 (40 FR 27823), in which it announced that this report had been accepted as a petition under the terms of the Act, and that the taxa named in the report and notice were being reviewed for possible inclusion in the List of Endangered and Threatened Plants.

A revision of the Smithsonian's report was published in 1978 as a book: E.S. Ayensu and R.A. DeFilippis, *Endangered and Threatened Plants of the United States*, Smithsonian Institution and World Wildlife Fund, Washington, D.C.; this revision was also accepted as a petition for the taxa newly included therein (48 FR 6752). The July 1975 notice was superseded on December 15, 1980, by the Service's publication in the *Federal Register* (45 FR 82479) of a new comprehensive notice of review for native plants, which took into account the Smithsonian petitions and other accumulated information (*Endangered Species Technical Bulletin*, January, 1981). A petition on one additional species (*Serianthes nelsonii*) was accepted in the February 15, 1983, *Federal Register* (48 FR 6752). On November 28, 1983 (48 FR 53640), the Service published a supplement to its 1980 notice, noting changes in the status of various taxa.

**Present Notice**

This notice reflects the Service's current judgment of the possible vulnerability of all native candidate plant taxa. Taxa in the notice are assigned to several status categories, noted in the "Status" column of the table. Unlike previous plant notices, this one lists all taxa in one table, with coded entries to indicate current category. The codes are explained below:

LE—Taxa formally listed as endangered.

LE—Taxa formally listed as threatened.

PE—Taxa proposed to be formally listed as endangered.

PT—Taxa proposed to be formally listed as threatened.

S—Synonyms.

1—Taxa for which the Service currently has on file substantial information on biological vulnerability and threat(s) to support the



appropriateness of proposing to list them as endangered or threatened species. Presently, data are being gathered concerning precise habitat needs and, for some of the taxa, concerning the precise boundaries for critical habitat designations. Development and publication of proposed rules on these taxa are anticipated, but, because of the large number of such taxa, could take some years.

Also included in category 1 are taxa whose status in the recent past is known, but that may already have become extinct. These plants may retain a high priority for addition to the List, subject to the confirmation of extant populations. Such possibly extinct taxa are indicated by an asterisk (\*). Double asterisks (\*\*) indicate taxa believed to be extinct in the wild, but known to be extant in cultivation.

2—Taxa for which information now in possession of the Service indicates that proposing to list them as endangered or threatened species is possibly appropriate, but for which substantial data on biological vulnerability and threat(s) are not currently known or on file to support the immediate preparation of rules. Such taxa that are possibly extinct are again indicated by an asterisk (\*). Taxonomically questionable taxa that are believed extinct in the wild, but are extant in cultivation, are marked by double asterisks (\*\*). Further biological research and field study usually will be necessary to ascertain the status of the taxa in category 2, and some of the taxa are of uncertain taxonomic validity. It is likely that some of these will not warrant listing, while others will be found to be in greater danger of extinction than some taxa in category 1. It is hoped that this notice will encourage necessary research on vulnerability, taxonomy, and/or threats for these taxa. To organize and elaborate status information that may be submitted, contributors are encouraged to use the status report guidelines of Henifin *et al.*, pages 261-282 in L.E. Morse and M.S. Henifin, editors, *Rare Plant Conservation*, 1981, the New York Botanical Garden, Bronx, New York; copies of these guidelines are available from the Service.

3—Taxa that are no longer being considered for listing as threatened or endangered species. Such taxa are further coded to indicate three subcategories, depending on the reason(s) for removal from consideration.

3A—Taxa for which the Service has persuasive evidence of extinction. If rediscovered, however, such taxa might acquire high priority for listing. At this time, the best available information indicates that the taxa included in this

subcategory, or the habitats from which they were known, are in fact extinct or destroyed, respectively.

3B—Names that, on the basis of current taxonomic understanding, usually as represented in published revisions and monographs, do not represent taxa meeting the Act's definition of "species." Such supposed taxa could be reevaluated in the future on the basis of subsequent research.

3C—Taxa that have proven to be more abundant or widespread than was previously believed and/or those that are not subject to any identifiable threat. Should further research or changes in land use indicate significant decline in any of these taxa, they may be reevaluated for possible inclusion in category 1 or 2.

The taxa in categories 1 and 2 of this notice are candidates for possible addition to the List of Endangered and Threatened Plants. The Service encourages their consideration in environmental planning, such as in environmental impact analysis under the National Environmental Policy Act of 1969 (implemented at 40 CFR Parts 1500-1508). Information regarding the range, status, and habitat needs of such species is available from the Service's Regional Offices (see "ADDRESSES" above) to assist in such planning.

The Service hereby requests that further information on the vulnerable taxa named in this notice be submitted as soon as possible and on a continuing basis. Especially sought are data for our files—

- (1) Indicating that a taxon would more properly be assigned to a category other than the one in which it appears;
- (2) Nominating a taxon not included;
- (3) Recommending an area as critical habitat for a candidate taxon, or indicating that proposal of critical habitat would not be prudent for a taxon;
- (4) Documenting threats to any of the included taxa;
- (5) Informing the Service of the intensity and immediacy of threats to any of the taxa;
- (6) Pointing out taxonomic or nomenclatural changes for any of the taxa;
- (7) Suggesting appropriate common names; or
- (8) Noting errors, such as any in the indicated historic distributions.

The Service intends to consider all information received in response to this notice, to amend the contents of categories 1, 2, and 3 to reflect current knowledge concerning affected plant taxa, and to indicate its intentions with regard to future listing actions (in accord with 50 CFR 424.15). Substantive changes will be announced by periodic supplemental or revised notices in the **Federal Register**.

#### Summary of Status Categories

For ease of reference, numerical totals for taxa included in the various status categories are provided below:

LE—88  
 LT—25  
 PE—25  
 PT—3  
 1—894  
 1\*—177  
 1\*\*—4  
 2—1623  
 2\*—27  
 2\*\*—1  
 3—1414  
 3A—60  
 3B—310  
 3C—1044

#### Relationship To Petition Requirements

All candidate plant taxa (those in category 1 or 2 of this notice) are treated as under petition for listing, and this notice initiates the review of status required by section 4(b)(3)(A) of the Act, as amended in 1982.

#### Organization of Table

The following table is arranged alphabetically by names of genera and species. Synonyms have been provided when necessary to avoid confusion. In some cases, taxa have been included that have not yet been formally described in the scientific literature. Such taxa are identified by a generic name followed by "SP. (SSP., VAR.) NOV./INED." Following the scientific name of each species (subspecies, variety) are a family designation and any common name. Known historical ranges are given on the right for all included taxa, usually indicated by abbreviations for States. Some taxa may no longer occur in some of the areas shown. For each taxon, the assigned status category appears on the left.

This notice was prepared by Dr. John J. Fay in the Service's Office of Endangered Species in Washington (703/235-1975; FTS 8/235-1975), from evaluations by appropriate staff botanists or biologists in the Washington Office and in the Service's Endangered Species Program in Regional Offices and Field Stations. The Service gratefully acknowledges the computer assistance of Dr. Larry E. Morse, The Nature Conservancy, Arlington, Virginia, and Dr. John Nagy, Brookhaven National Laboratory, Upton, New York, in compiling the lists of taxa.

#### List of Subjects in 50 CFR Part 17

Endangered and threatened wildlife. Fish, Marine mammals, Plants (agriculture).

Dated: September 20, 1985.

P. Daniel Smith,  
 Acting Deputy Assistant Secretary for Fish and Wildlife and Parks.

BILLING CODE 4310-55-M



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
S	ABAMA AMERICANUM	*** SEE ***	MARTHECIUM AMERICANUM	
S	ABAMA MONTANA	*** SEE ***	MARTHECIUM AMERICANUM	
2	ABIES FRASERI	PIACEAE	FIR, FRASER	GA NC TN VA
1	ABRONIA ALPINA	NYCTAGINACEAE	SAND-VERBENA, ALPINE	CA
3C	ABRONIA BIGELOVII	NYCTAGINACEAE		NM
1	ABRONIA MACROCARPA	NYCTAGINACEAE		TX
3B	ABRONIA ORBICULATA	NYCTAGINACEAE		NV
2	ABRONIA UMBELLATA SSP. ACUTALATA	NYCTAGINACEAE	SAND-VERBENA, ROSE-PURPLE	WA
2	ABRONIA UMBELLATA SSP. BREVIFLORA	NYCTAGINACEAE		CA OR
3B	ABUTILON COMMUTATUM	MALVACEAE	TERCIOPELO	PR
1	ABUTILON EREMITOPETALUM	MALVACEAE	ABUTILON, HIDDEN-PETALED	HI
S	ABUTILON MARSHII	*** SEE ***	ALLOWISSADULA HOLOSERICEA	
PE	ABUTILON MENZIESII	MALVACEAE	KO'OLA 'OLA	HI
1	ABUTILON SANDWICENSE	MALVACEAE		HI
2	ABUTILON VIRGINIANUM	MALVACEAE		PR VI. British V.I.
3B	ACACIA EMORYANA	FABACEAE	ACACIA, EMORY	TX
1	ACACIA KOAIA	FABACEAE	KOA OHA	HI
1	ACAENA EXIGUA	ROSACEAE	LILI-WAI	HI
2	ACANTHOMINTHA ILICIFOLIA	LAMIACEAE	THORN-MINT, SAN DIEGO	CA, Mexico
LE	ACANTHOMINTHA OBOVATA SSP. DUTTONII	LAMIACEAE	THORN-MINT, SAN MATEO	CA
3C	ACER GRANDIDENTATUM VAR. SINUOSUM	ACERACEAE		TX
1	ACHYRANTHES ATOLLENSIS	AMARANTHACEAE		HI
3A	ACHYRANTHES MUTICA	AMARANTHACEAE		HI
3B	ACHYRANTHES NELSONII	AMARANTHACEAE		HI
3B	ACHYRANTHES SPLENDENS VAR. REFLEXA	AMARANTHACEAE		HI
S	ACHYRANTHES SPLENDENS VAR. ROTUNDATA	*** SEE ***	ACHYRANTHES ROTUNDATA	HI
3C	ACHYRANTHES SPLENDENS VAR. SPLENDENS	AMARANTHACEAE		HI
2	ACLEISANTHES CRASSIFOLIA	NYCTAGINACEAE		TX, Mexico
LT	ACONITUM NOVEBORACENSE	RANUNCULACEAE	MONKSHOOD, WILD, NORTHERN	IA NY OH MI
S	ACTINEA HERBACEA	*** SEE ***	HYMENOXYIS ACALIS VAR. BLABRA	
S	ACTINELLA DEPRESSA	*** SEE ***	HYMENOXYIS DEPRESSA	
6	ACTINOSTACHYS GERMANII	*** SEE ***	SCHIZAEA GERMANII	
1	ADENOPHORUS PERIENS	POLYPODIACEAE	FERN, PENDANT KIHII	HI
1	AERVA SERICEA	AMARANTHACEAE		HI
2	AESCHYNOME NE VIRGINICA	FABACEAE	JOINT-VETCH, SENSITIVE	DE MD NJ NC PA VA
1	AGALINIS ACUTA	SCROPHULARIACEAE	GERARDIA, SANDPLAIN	CT MA NY RI
2	AGALINIS AURICULATA	SCROPHULARIACEAE	FOXGLOVE, FALSE, AURICULATE	IL IN KS MI MN MO OH OK TN WI
1	AGALINIS CALIFORNICA	SCROPHULARIACEAE		LA
2	AGALINIS CALIFORNICA	SCROPHULARIACEAE		AL MS TN
2	AGALINIS PURPUREA VAR. CARTERI	SCROPHULARIACEAE		FL
2	AGALINIS STENOPHYLLA	SCROPHULARIACEAE	FALSE FOXGLOVE,	FL
3C	AGASTACHE CUSICKII	LAMIACEAE		ID NV OR
3C	AGASTACHE PARVIFOLIA	LAMIACEAE	AGASTACHE, SMALL-LEAVED	CA
LE	AGAVE ARIZONICA	LILIACEAE	AGAVE, ARIZONA	AZ
S	AGAVE CHISOSENSIS	*** SEE ***	AGAVE GLOMERULIFERA	
2	AGAVE EGGERSIANA	LILIACEAE		VI
2	AGAVE GLOMERULIFERA	LILIACEAE		TX
3C	AGAVE MCKELVEYANA	LILIACEAE		AZ
2	AGAVE PARVIFLORA	LILIACEAE		AZ
2	AGAVE SCHOTTII VAR. TRELEASEI	LILIACEAE		AZ
3C	AGAVE TOUHEYANA VAR. BELLA	LILIACEAE		AZ
3C	AGAVE UTAHENSIS VAR. EBORISPINA	LILIACEAE		CA NV
3C	AGAVE UTAHENSIS VAR. KAIBABENSIS	LILIACEAE		AZ
3C	AGAVE UTAHENSIS VAR. NEVADENSIS	LILIACEAE		CA NV
S	AGERATINA SWARTENSIS	*** SEE ***	EUPATORIUM SWARTENSE	
2	AGRIMONIA INCISA	ROSACEAE		FL MS SC
2	AGROSTIS ARISTIDGLUMIS	POACEAE	BENT GRASS, AWNED	CA
2	AGROSTIS BLASDALEI VAR. BLASDALEI	POACEAE	BENT GRASS, BLASDALE'S	CA
2	AGROSTIS BLASDALEI VAR. MARINENSIS	POACEAE	BENT GRASS, MARIN	CA
2	AGROSTIS CLIVICOLA VAR. CLIVICOLA	POACEAE	BENT GRASS, COASTAL BLUFF	CA
2	AGROSTIS CLIVICOLA VAR. PUNTA-REYESSENSIS	POACEAE	BENT GRASS, POINT REYES	CA
S	AGROSTIS HENDERSONII	*** SEE ***	AGROSTIS MICROPHYLLA VAR. HENDERSONII	
3C	AGROSTIS HOWELLII	POACEAE		OR
2	AGROSTIS MICROPHYLLA VAR. HENDERSONII	POACEAE	BENT GRASS, HENDERSON'S	CA OR
2	AGROSTIS ROSSIAE	POACEAE	BENT GRASS, ROSS	WY
S	AJANIA SENJAVINENSIS	*** SEE ***	ARTEMISIA SENJAVINENSIS	
1	ALECTRYON MACROCOCCUM	SAPINDACEAE	MAHOE,	HI
3C	ALECTRYON MAHOE	SAPINDACEAE	MAHOE,	HI
3C	ALETES FILIFOLIUS	APIACEAE		NM TX
2	ALETES HUMILIS	APIACEAE		CO
3B	ALLIONIA CRISTATA	NYCTAGINACEAE		AZ
1	ALLIUM AASEAE	LILIACEAE	ONION, AASE	ID
2	ALLIUM DICTUON	LILIACEAE	ONION, BLUE MOUNTAIN	WA
2	ALLIUM DOUGLASSII VAR. CONSTRICTUM	LILIACEAE		WA
2	ALLIUM FIMBRIATUM VAR. MUNZII	LILIACEAE	ONION, MUNZ'S	CA
1	ALLIUM GOODINGII	LILIACEAE		AZ NM
1	ALLIUM HICKMANII	LILIACEAE	ONION, HICKMAN'S	CA
2	ALLIUM HOFFMANII	LILIACEAE	ONION, BEESUM	CA
3C	ALLIUM MADIDUM	LILIACEAE		ID OR
2	ALLIUM OXYPHILUM	LILIACEAE		VA WV
3C	ALLIUM PASSEYI	LILIACEAE	ONION, PASSEY'S	UT
3C	ALLIUM PERDULCE VAR. SPERRYI	LILIACEAE		TX



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
3B	ALLIUM PLEIANTHUM	LILIACEAE		OR
3C	ALLIUM ROBINSONII	LILIACEAE		OR WA
1	ALLIUM SANBORNII VAR. TUOLUMNENSE	LILIACEAE		CA
3C	ALLIUM SCILLIODES	LILIACEAE		WA
2	ALLIUM SPECULAE	LILIACEAE		AL
3C	ALLIUM TOLMIEI VAR. PERSIMILE	LILIACEAE		ID
3C	ALLIUM YOSEMITENSE	LILIACEAE	ONION, YOSEMITE	CA
3C	ALLOMISSADULA HOLDSERICEA	MALVACEAE		TX
3C	ALNUS MARITIMA	BETULACEAE	ALDER, SEASIDE	DE MD OK
2	ALOFECURUS AEGUALIS VAR. SONOMENSIS	POACEAE	ALOFECURUS, SOKUMA	CA
3C	ALPHITONIA PONDEROSA	SHARNACEAE	KAUOLA	HI
1	ALSINODENDRON DROVATUM	CARYOPHYLLACEAE		HI
1	ALSINODENDRON TRINERVE	CARYOPHYLLACEAE		HI
1	ALSINODENDRON VISCOSUM	CARYOPHYLLACEAE		HI
2	ALSOPHILA BROOKSII	CYATHEACEAE		PR, Cuba, Hispaniola
1	ALSOPHILA DRYOPTEROIDES	CYATHEACEAE		PR
1	AMARANTHUS BROWNII	AMARANTHACEAE		HI
2	AMARANTHUS PUMILUS	AMARANTHACEAE	PIGWEED, SEA-BEACH	DE MA MD NC NJ NY RI SC VA
1	AMBROSIA CHEIRANTHIFOLIA	ASTERACEAE	RAGWEED,	TX Mexico
2	AMBROSIA LINEARIS	ASTERACEAE		CO
2	AMBROSIA PUMILA	ASTERACEAE	AMBROSIA, SAN DIEGO	CA
3C	AMMOBROMA SONORAE	LENOACEAE	SANDFOOD	TX CA Mexico
3C	AMOREUXIA WRIGHTII	COCHLOSPERMACEAE		TX Mexico
3B	AMORPHA BRACHYCARPA	FABACEAE		MO
LE	AMORPHA CRENULATA	FABACEAE	LEAD-PLANT, CRENULATE	FL
1	AMORPHA QUACHITENSIS	FABACEAE	FALSE INDIGO,	AR OK
2	AMORPHA ROEMERANA	FABACEAE		TX
5	AMORPHA TEXANA	*** SEE ***	AMORPHA ROEMERANA	TX
2	AMPHIANTHUS PUSILLUS	SCROPHULARIACEAE	AMPHIANTHUS, LITTLE	AL GA SC
2	AMSINCKIA CARINATA	BORAGINACEAE		OR
2	AMSINCKIA FURCATA	BORAGINACEAE		CA
LE	AMSINCKIA GRANDIFLORA	BORAGINACEAE	FIDDLENECK, LARGE-FLOWERED	CA
2	AMSINCKIA VERNICOSA	BORAGINACEAE		CA
5	AMSINCKIA VERNICOSA VAR. FURCATA	*** SEE ***	AMSINCKIA FURCATA	
2	AMSONIA GLABERRIMA	APOCYNACEAE		TX
2	AMSONIA GRANDIFLORA	APOCYNACEAE		AI, Mexico
1	AMSONIA KEARNEYANA	APOCYNACEAE		AI
2	AMSONIA LUDOVICIANA	APOCYNACEAE	BLUE-STAR, LOUISIANA	LA MS
3C	AMSONIA PALMERI	APOCYNACEAE		AZ
2	AMSONIA PEEBLESII	APOCYNACEAE		AZ
3C	AMSONIA REPENS	APOCYNACEAE		TX
2	AMSONIA TABERNAEMONTANA VAR. GATTINGERI	APOCYNACEAE		TN
1	AMSONIA THARPII	APOCYNACEAE		TX
LE	ANCISTROCACTUS TOBUSCHII	CACTACEAE	FISHHOOK CACTUS, TOBUSCH	TX
3C	ANDRACHNE ARIDA	EUPHORBIACEAE		TX
3C	ANDROPOGON ARCTATUS	POACEAE	BEARD GRASS,	AL FL
3C	ANEMONE EDWARDSIANA VAR. EDWARDSIANA	RANUNCULACEAE		TX
2	ANEMONE EDWARDSIANA VAR. PETRAEA	RANUNCULACEAE		TX
3C	ANEMONE MINIMA	RANUNCULACEAE	ANEMONE,	VA WV
3C	ANEMONE OREGANA VAR. FELIX	RANUNCULACEAE		OR WA
3C	ANGELICA CALLII	APIACEAE	ANGELICA, CALL'S	CA
1	ANGELICA SCABRIDA	APIACEAE		NV
3C	ANGELICA WHEELERI	APIACEAE		UT
2	ANSURIA COOKIANA	CUCURBITACEAE	ALGODONCILLO	PR
3C	ANODA ABUTILIODES	MALVACEAE	FALSE INDIAN-MALLOW	AZ, Mexico
5	ANODA PYGMAEA	*** SEE ***	FRYXELLIA PYGMAEA	
2	ANTENNARIA ARCUATA	ASTERACEAE	PUSSYTOES, MEADOW	ID NV WY
2	ANTENNARIA AROMATICA	ASTERACEAE		WY
1	ANTENNARIA SOLICEPS	ASTERACEAE		NV
3C	ANTENNARIA SUFFRUTESCENS	ASTERACEAE	EVERLASTING, EVERGREEN	CA OR
2	ANTHERICUM CHANDLERI	LILIACEAE		TX, Mexico
3B	ANTIDESMA CRENATUM	EUPHORBIACEAE		HI
2	ANTIRHEA PORTORICENSIS	RUBIACEAE	QUINA	PR
3C	ANTIIRRHINUM SUBCORDATUM	SCROPHULARIACEAE	SNAPDRAGON, DIMORPHIC	CA
3C	APACHERIA CHIRICAHUENSIS	CROSSOSOMATACEAE		AZ NM
2	APHANISMA BLITIODES	CHENOPODIACEAE		CA
1	APIOS PRICEANA	FABACEAE	POTATO-BEAN (GROUNDNUT), PRICE'S	AL IL KY MS TN
5	APLOPAPPUS SALICINUS	*** SEE ***	HAPLOPAPPUS SALICINUS	
2	APOCYNUM JONESII	APOCYNACEAE	DOGSANE, JONES'	AZ
5	AQUILEGIA AUSTRALIS	*** SEE ***	AQUILEGIA CANADENSIS VAR. AUSTRALIS	
3C	AQUILEGIA BARNEBYI	RANUNCULACEAE		CO UT
3B	AQUILEGIA CAERULEA VAR. DAILEYAE	RANUNCULACEAE		CO
2	AQUILEGIA CANADENSIS VAR. AUSTRALIS	RANUNCULACEAE	COLUMBINE, CANADIAN,	FL
3C	AQUILEGIA CHAPLINEI	RANUNCULACEAE	COLUMBINE,	NM TX
3C	AQUILEGIA CHRYSANTHA VAR. RYDBERGII	RANUNCULACEAE	COLUMBINE,	AZ CO NM
3C	AQUILEGIA DESERTORUM	RANUNCULACEAE		AZ
2	AQUILEGIA HINCKLEYANA	RANUNCULACEAE	COLUMBINE, HINCKLEY'S	TX
3C	AQUILEGIA JONESII	RANUNCULACEAE	COLUMBINE, JONES'	MT WY, Canada (Alta.)
3C	AQUILEGIA LARAMIENSIS	RANUNCULACEAE	COLUMBINE, LARAMIE	WY
3B	AQUILEGIA LONGISSIMA	RANUNCULACEAE	COLUMBINE, LONG SPUR	Mexico
2	AQUILEGIA MICRANTHA VAR. MANCOSANA	RANUNCULACEAE	COLUMBINE,	CO
3C	AQUILEGIA SAXIMONTANA	RANUNCULACEAE		CO

STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
3C	ARABIS ACULEOLATA	BRASSICACEAE		CA OR
3C	ARABIS BLEPHAROPHYLLA	BRASSICACEAE	ROCK CRESS, COAST	CA
2	ARABIS BREWERI VAR. AUSTINIAE	BRASSICACEAE		CA
2	ARABIS BREWERI VAR. PECUNIARIA	BRASSICACEAE	ROCK CRESS, SAN BERNARDINO	CA
2	ARABIS CONSTANCEI	BRASSICACEAE	ROCK CRESS, CONSTANCE'S	CA
3C	ARABIS CHANDALLII	BRASSICACEAE		CO WY
3C	ARABIS DEMISSA VAR. LANGUIDA	BRASSICACEAE	ROCK CRESS, DAGGETT,	UT WY
3C	ARABIS DEMISSA VAR. RUSSEDLA	BRASSICACEAE	ROCK CRESS, DAGGETT,	CO UT WY
3C	ARABIS DISPAR	BRASSICACEAE		CA NV
3B	ARABIS FRUCTICOSA	BRASSICACEAE	ROCK CRESS, FRUIT	WY
2	ARABIS GEORGIANA	BRASSICACEAE		AL GA
3C	ARABIS BRACILIPES	BRASSICACEAE		AZ
3C	ARABIS GUNNISONIANA	BRASSICACEAE	ROCK CRESS,	CO
1	ARABIS HOFFMANNII	BRASSICACEAE	ROCK CRESS, HOFFMANN'S	CA
1	ARABIS JOHNSTONII	BRASSICACEAE	ROCK CRESS, JOHNSTON'S	CA OR
2	ARABIS KOEHLERI VAR. KOEHLERI	BRASSICACEAE	ROCK CRESS, KOEHLER'S	OR
2	ARABIS KOEHLERI VAR. STIPITATA	BRASSICACEAE		OR
LE	ARABIS MCDONALDIANA	BRASSICACEAE	ROCK CRESS, MCDONALD'S	CA
2	ARABIS MISSOURIENSIS VAR. DEAMII	BRASSICACEAE		IN MI MO WI
3C	ARABIS MODESTA	BRASSICACEAE	ROCK CRESS, MODEST	CA OR
3C	ARABIS OREGANA	BRASSICACEAE		CA OR
3C	ARABIS OXYLOBULA	BRASSICACEAE	ROCK CRESS,	CO
2	ARABIS PARISHII	BRASSICACEAE	ROCK CRESS, PARISH'S	CA
1	ARABIS PERSTELLATA VAR. AMPLA	BRASSICACEAE	ROCK CRESS, LARGE	TN
1	ARABIS PERSTELLATA VAR. PERSTELLATA	BRASSICACEAE	ROCK CRESS, SMALL	AL KY
3C	ARABIS PETIOLARIS	BRASSICACEAE		TX
2	ARABIS PINZLIAE	BRASSICACEAE	ROCKCRESS, PINZL'S	CA
2	ARABIS PUSILLA	BRASSICACEAE		WY
3C	ARABIS PYGMAEA	BRASSICACEAE		CA
2	ARABIS SEROTINA	BRASSICACEAE		VA WV
2	ARABIS SERPENTINICOLA	BRASSICACEAE		CA OR
3C	ARABIS SHOCKLEYI	BRASSICACEAE	ROCK CRESS, SHOCKLEY'S	CA NV UT
2*	ARABIS SP. NOV. /INED.	BRASSICACEAE	ROCK CRESS (GRAY KNOLLS, UINTAH CO.)	UT
2	ARABIS SP. NOV. /INED. (DEL NORTE, CURRY COS.)	BRASSICACEAE		CA OR
3C	ARABIS SP. NOV. /INED. (JONES HOLE, UINTA CO.)	BRASSICACEAE	ROCK CRESS (JONES HOLE, UINTAH CO.)	UT
2	ARABIS SUFFRUTESCENS VAR. HORIZONTALIS	BRASSICACEAE		OR
5	ARABIS SUFFRUTESCENS VAR. PERSTYLOSA	*** SEE ***	ARABIS CONSTANCEI	
2	ARABIS WILLIAMSII	BRASSICACEAE		WY
3C	ARCEUTHOBIMUM APACHENSE	LORANTHACEAE		AZ
2	ARCTOMECON CALIFORNICA	PAPAVERACEAE	DESERT-POPPY,	AZ NV
LE	ARCTOMECON HUMILIS	PAPAVERACEAE	BEAR-POPPY, DWARF	UT
3C	ARCTOMECON HERRIAMI	PAPAVERACEAE	DESERT-POPPY,	CA NV
5	ARCTOSTAPHYLOS ANDERSONII VAR. PALLIDA	*** SEE ***	ARCTOSTAPHYLOS PALLIDA	
3C	ARCTOSTAPHYLOS AURICULATA	ERICACEAE	MANZANITA, MT. DIABLO	CA
5	ARCTOSTAPHYLOS BAKERI	*** SEE ***	ARCTOSTAPHYLOS FUNGENS SSP. BAKERI	
2	ARCTOSTAPHYLOS CATALINAE	ERICACEAE	MANZANITA, SANTA CATALINA ISLAND	CA
2	ARCTOSTAPHYLOS CONFERTIFLORA	ERICACEAE	MANZANITA, SANTA ROSA ISLAND	CA
3C	ARCTOSTAPHYLOS CRUZENSIS	ERICACEAE	MANZANITA, ARROYO DE LA CRUZ	CA
5	ARCTOSTAPHYLOS DENSIFLORA	*** SEE ***	ARCTOSTAPHYLOS UVA-URSI VAR. DENSIFLORA	
5	ARCTOSTAPHYLOS EDMUNDSII VAR. EDMUNDSII	*** SEE ***	ARCTOSTAPHYLOS UVA-URSI SSP. EDMUNDSII	
5	ARCTOSTAPHYLOS EDMUNDSII VAR. PARVIFOLIA	*** SEE ***	ARCTOSTAPHYLOS UVA-URSI VAR. PARVIFOLIA	
3B	ARCTOSTAPHYLOS GLANDULOSA SSP. CRASSIFOLIA	ERICACEAE	MANZANITA, EASTWOOD	CA
2	ARCTOSTAPHYLOS GLUTINOSA	ERICACEAE	MANZANITA, SCHREIBER'S	CA
3C	ARCTOSTAPHYLOS HIGPIDULA	ERICACEAE		CA OR
5	ARCTOSTAPHYLOS HOOKERI SSP. FRANCISCANA	*** SEE ***	ARCTOSTAPHYLOS UVA-URSI VAR. FRANCISCANA	
5	ARCTOSTAPHYLOS HOOKERI SSP. HEARSTIUM	*** SEE ***	ARCTOSTAPHYLOS UVA-URSI VAR. HEARSTIUM	
5	ARCTOSTAPHYLOS HOOKERI SSP. MONTANA	*** SEE ***	ARCTOSTAPHYLOS FUNGENS SSP. MONTANA	
LE	ARCTOSTAPHYLOS HOOKERI SSP. RAVENII	ERICACEAE	MANZANITA, RAVEN'S (PRESIDIO)	CA
1	ARCTOSTAPHYLOS IMBRICATA	ERICACEAE	MANZANITA, SAN BRUNO MOUNTAIN	CA
3B	ARCTOSTAPHYLOS INTRICATA VAR. OBLONGIFOLIA	ERICACEAE		CA OR
2	ARCTOSTAPHYLOS KLAMATHENSIS	ERICACEAE		CA
3C	ARCTOSTAPHYLOS LUCIANA	ERICACEAE	MANZANITA, SANTA LUCIA	CA
5	ARCTOSTAPHYLOS MONTANA	*** SEE ***	ARCTOSTAPHYLOS FUNGENS SSP. MONTANA	
2	ARCTOSTAPHYLOS MONTARAENSIS	ERICACEAE	MANZANITA, MONTARA	CA
3C	ARCTOSTAPHYLOS MONTEREYENSIS	ERICACEAE	MANZANITA, MONTEREY	CA
1	ARCTOSTAPHYLOS MORROENSIS	ERICACEAE	MANZANITA, MORRO	CA
5	ARCTOSTAPHYLOS MYRTIFOLIA	*** SEE ***	ARCTOSTAPHYLOS UVA-URSI SSP. MYRTIFOLIA	
3C	ARCTOSTAPHYLOS NISSEMANA	ERICACEAE		CA
2	ARCTOSTAPHYLOS OTAYENSIS	ERICACEAE	MANZANITA, OTAY	CA
5	ARCTOSTAPHYLOS PACIFICA	*** SEE ***	ARCTOSTAPHYLOS UVA-URSI VAR. SAXICOLA	
2	ARCTOSTAPHYLOS PALLIDA	ERICACEAE	MANZANITA, ALAMEDA	CA
3C	ARCTOSTAPHYLOS PECHOENSIS	ERICACEAE	MANZANITA, PECHO	CA
2	ARCTOSTAPHYLOS PILOBULA SSP. PILOSULA	ERICACEAE	MANZANITA, SANTA MARGARITA	CA
5	ARCTOSTAPHYLOS PUMILA	*** SEE ***	ARCTOSTAPHYLOS UVA-URSI SSP. PUMILA	
2	ARCTOSTAPHYLOS PUNGENS SSP. BAKERI	ERICACEAE	MANZANITA, BAKER'S	CA
2	ARCTOSTAPHYLOS PUNGENS SSP. MONTANA	ERICACEAE	MANZANITA, TANALPAIS	CA
3C	ARCTOSTAPHYLOS REFUGIENSIS	ERICACEAE	MANZANITA, REFUGIO	CA
2	ARCTOSTAPHYLOS RUDIS	ERICACEAE		CA
2	ARCTOSTAPHYLOS SILVICOLA	ERICACEAE	MANZANITA, SILVER-LEAVED	CA



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
5	ARCTOSTAPHYLOS STANFORDIANA SSP. HISPIDULA	*** SEE ***	ARCTOSTAPHYLOS HISPIDULA	
2	ARCTOSTAPHYLOS UVA-URSI SSP. EDMUNDSONII	ERICACEAE	MANZANITA, LITTLE SUR	CA
1	ARCTOSTAPHYLOS UVA-URSI SSP. MYRTIFOLIA	ERICACEAE	MANZANITA, IONE	CA
2	ARCTOSTAPHYLOS UVA-URSI SSP. PUNILA	ERICACEAE	MANZANITA, SANDMAT	CA
1	ARCTOSTAPHYLOS UVA-URSI VAR. DENSIFLORA	ERICACEAE	MANZANITA, VINE HILL	CA
1	** ARCTOSTAPHYLOS UVA-URSI VAR. FRANCISCANA	ERICACEAE	MANZANITA, SAN FRANCISCO	CA
2	ARCTOSTAPHYLOS UVA-URSI VAR. HEARSTIORUM	ERICACEAE	MANZANITA, HEARST'S	CA
1	** ARCTOSTAPHYLOS UVA-URSI VAR. LEDBREWERI	ERICACEAE	MANZANITA, LED BREWER'S	CA
2	ARCTOSTAPHYLOS UVA-URSI VAR. MARINENSIS	ERICACEAE	MANZANITA, PT. REYES	CA
2	ARCTOSTAPHYLOS UVA-URSI VAR. MONOENSIS	ERICACEAE	MANZANITA, MONO	CA
3C	ARCTOSTAPHYLOS UVA-URSI VAR. PARVIFOLIA	ERICACEAE	MANZANITA, HANGING GARDENS	CA
1	ARCTOSTAPHYLOS UVA-URSI VAR. SAXICOLA	ERICACEAE	MANZANITA, PACIFIC	CA
~	ARCTOSTAPHYLOS UVA-URSI VAR. SUBORBICULATA	ERICACEAE	MANZANITA, KAMCHATKA POINT	CA
2	ARCTOSTAPHYLOS VIRGATA	ERICACEAE	MANZANITA, BOLINAS	CA
2	ARENARIA ALABAMENSIS	CARYOPHYLLACEAE	SANDWORT, ALABAMA	AL NC
1	ARENARIA CUMBERLANDENSIS	CARYOPHYLLACEAE		TN
5	ARENARIA DECUMBENS	*** SEE ***	MINUARTIA DECUMBENS	
1	ARENARIA FONTINALIS	CARYOPHYLLACEAE	STITCHWORT, WATER	KY TN
2	ARENARIA FRANKLINII VAR. THOMPSONII	CARYOPHYLLACEAE		OR WA
5	ARENARIA GODFREYI	*** SEE ***	MINUARTIA GODFREYI	
3C	ARENARIA HOWELLII	CARYOPHYLLACEAE	SANDWORT, HOWELL'S	CA OR
1	ARENARIA KINGII SSP. ROSEA	CARYOPHYLLACEAE		NV
2	ARENARIA LIVERMORENSIS	CARYOPHYLLACEAE	SANDWORT, LIVERMORE	TX
2	ARENARIA MACRADENIA VAR. KUSCHEI	CARYOPHYLLACEAE	SANDWORT, FOREST CAMP	CA
5	ARENARIA MARCESCENS	*** SEE ***	MINUARTIA MARCESCENS	
2	ARENARIA PALUDICOLA	CARYOPHYLLACEAE		CA WA
5	ARENARIA ROSEI	*** SEE ***	MINUARTIA ROSEI	
3C	ARENARIA STENOMERIS	CARYOPHYLLACEAE		NV
5	ARENARIA UNIFLORA	*** SEE ***	MINUARTIA UNIFLORA	
2	ARENARIA URSINA	CARYOPHYLLACEAE	SANDWORT, BEAR VALLEY	CA
2	ARGEMONE ARIZONICA	PAPAVERACEAE		AZ
2	ARGEMONE BLAUCA VAR. INERMIS	PAPAVERACEAE		HI
2	ARGEMONE MUNITA SSP. ROBUSTA	PAPAVERACEAE	PRICKLY-POPPY, ROBUST	CA
1	ARGEMONE PLEIACANTHA SSP. PINNATISECTA	PAPAVERACEAE	PRICKLY-POPPY,	NM
1	ARGYROXIPHUM KAUCENSE	ASTERACEAE	SILVERSWORD, KA'U	HI
5	ARGYROXIPHUM MACROCEPHALUM	*** SEE ***	ARGYROXIPHUM SANDWICENSE VAR. MACROCEPHALUM	HI
PE	ARGYROXIPHUM SANDWICENSE VAR. SANDWICENSE	ASTERACEAE	'AHINAHINA (HAUNA KEA SILVERSWORD)	HI
1	ARGYROXIPHUM VIRESCENS VAR. VIRESCENS	ASTERACEAE	GREENSWORD	HI
2	ARGYTHAMNIA APHOROIDES	EUPHORBIACEAE	MERCURY, WILD,	TX
3C	ARGYTHAMNIA ARGYRAEA	EUPHORBIACEAE	MERCURY, WILD,	TX
2	ARGYTHAMNIA BLODGETTII	EUPHORBIACEAE		FL
1	ARISTIDA FLORIDANA	POACEAE	TRIPLE-AWNE GRASS,	FL
2	ARISTIDA PORTORICENSIS	POACEAE	PELOS DEL DIABLO	PR
2	ARISTIDA SIMPLICIFLORA	POACEAE		AL FL MS
3C	ARNICA AMPLEXICAULIS VAR. PIPERI	ASTERACEAE		OR WA
2	ARNICA PANICULATA	ASTERACEAE		WY
3C	ARNICA VENOSA	ASTERACEAE	ARNICA, VEINY	CA
3C	ARNICA VISCOSA	ASTERACEAE	ARNICA, SHASTA	CA OR
2	ARTEMISIA ALEUTICA	ASTERACEAE	WORMWOOD, ALEUTIAN	AK
5	ARTEMISIA ANDROSACEA	*** SEE ***	ARTEMISIA SENJAVINENSIS	
2	ARTEMISIA ARGILOSA	ASTERACEAE	SAGEBRUSH, COALTOWN	CO
2	ARTEMISIA CANPESTRIS VAR. WORMSKOLDII	ARTFRACFAE		OR WA
3C	ARTEMISIA CANA SSP. BOLANDERI	ASTERACEAE		CA
2	ARTEMISIA LUDDVICIANA SSP. ESTESII	ASTERACEAE		OR
3C	ARTEMISIA PAPPOSA	ASTERACEAE		ID NV OR
3C	ARTEMISIA PORTERI	ASTERACEAE	SAGEBRUSH, PORTER	WY
2	ARTEMISIA SENJAVINENSIS	ASTERACEAE	SAGE, ARCTIC	AK, U.S.S.R.
3B	ARTEMISIA SP.	ASTERACEAE	ARTEMISIA (KAIHOLENA GULCH, LANAI)	HI
2	ARTEMISIA UNALASKENSIS VAR. ALEUTICA	ASTERACEAE		AK
5	ASARUM CONTRACTA	*** SEE ***	HEXASTYLIS CONTRACTA	
5	ASARUM LEWISII	*** SEE ***	HEXASTYLIS LEWISII	
5	ASARUM NANIFLORA	*** SEE ***	HEXASTYLIS NANIFLORA	
2	ASCLEPIAS CUTLERI	ASCLEPIADACEAE	MILKWEED, CUTLER	AZ UT
2	ASCLEPIAS EASTWOODIANA	ASCLEPIADACEAE	MILKWEED, EASTWOOD'S	NV
2	ASCLEPIAS MEADII	ASCLEPIADACEAE	MILKWEED, MEAD'S	IL IN IA KS MO MI
2	ASCLEPIAS PROSTRATA	ASCLEPIADACEAE		TX MEXICO
3C	ASCLEPIAS RUTHIAE	ASCLEPIADACEAE	MILKWEED, RUTH	UT
2	ASCLEPIAS VIRIDULA	ASCLEPIADACEAE		FL
PE	ASCLEPIAS WELSHII	ASCLEPIADACEAE		UT
5	ASIMINA PULCHELLA	*** SEE ***	DEERINGOTHAMNUS PULCHELLUS	
5	ASIMINA RUGELII	*** SEE ***	DEERINGOTHAMNUS RUGELII	
1	ASIMINA TETRAMERA	ANNONACEAE	PAWPAW,	FL
2	ASPLENIUM ANDREWSII	POLYPODIACEAE		AZ CO UT
3B	ASPLENIUM EBENOIDES	POLYPODIACEAE	SPLEENWORT, SCOTT'S	AL CT IL NJ OH PA TN VA
1	* ASPLENIUM FRAGILE VAR. INSULARIS	POLYPODIACEAE		WV
2	ASPLENIUM HETERORESILIENS	POLYPODIACEAE		HI
3B	ASPLENIUM KENTUCKIENSE	POLYPODIACEAE	SPLEENWORT,	FL GA NC SC
1	* ASPLENIUM LEUCOSTEGIODES	POLYPODIACEAE		AR IL IN KY OH VA
				HI

STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	ASPLENIUM PLENUM	POLYPODIACEAE		FL
9	ASPLENIUM RHOMBOIDEUM	*** SEE ***	ASPLENIUM FRAGILE VAR. INSULARIS	
9	ASPLENOSORUS EBENOIDES	*** SEE ***	ASPLENIUM EBENOIDES	
3C	ASTELIA VERATROIDES SSP. MACROSPERMA	LILIACEAE	PA 'INIU	HI
3C	ASTELIA VERATROIDES VAR. GRACILIS	LILIACEAE	PA 'INIU	HI
3C	ASTELIA VERATROIDES VAR. VERATROIDES	LILIACEAE	PA 'INIU	HI
1	ASTER AVITUS	ASTERACEAE		GA SC
2	ASTER BLEPHAROPHYLLUS	ASTERACEAE		NM
3B	ASTER BRACHYPHOLIS	ASTERACEAE		FL
3C	ASTER BRICKELLIROIDES	ASTERACEAE		CA OR
3B	ASTER CHASEI	ASTERACEAE		IL
9	ASTER CHILENSIS SSP. HALLII	*** SEE ***	ASTER HALLII	
2	ASTER CHILENSIS VAR. LENTUS	ASTERACEAE	ASTER, SUIGUN	CA
2	ASTER CURTUS	ASTERACEAE	ASTER, CURTUS	OR WA, Canada (B.C.)
2	ASTER DEPAUPERATUS	ASTERACEAE	ASTER, SERPENTINE	MD PA
9	ASTER ERICOIDES VAR. DEPAUPERATUS	*** SEE ***	ASTER DEPAUPERATUS	
2	ASTER FURCATUS	ASTERACEAE		AR IL IN IA MO WI
3C	ASTER GLAUDESCENS	ASTERACEAE		WA
2	ASTER GORMANII	ASTERACEAE	ASTER, GORMAN	OR
3C	ASTER GREATAI	ASTERACEAE		CA
3C	ASTER HALLII	ASTERACEAE		OR WA
2	ASTER JESSICAE	ASTERACEAE		ID WA
1	ASTER LEMMONII	ASTERACEAE		AZ
2	ASTER MOLLIS	ASTERACEAE		MT WY
3B	ASTER PALUDICOLA	ASTERACEAE		CA OR
3C	ASTER PEIRSONII	ASTERACEAE	ASTER, PEIRSON'S	CA
3B	ASTER PINIFOLIUS	ASTERACEAE	ASTER,	AL FL
3B	ASTER PLUMOSUS	ASTERACEAE		FL
3C	ASTER PUNICEUS VAR. SCABRICAULIS	ASTERACEAE		TX
3B	ASTER SANDWICENSIS	ASTERACEAE	ASTER, HAWAIIAN	HI
9	ASTER SCABRICAULIS	*** SEE ***	ASTER PUNICEUS VAR. SCABRICAULIS	
2	ASTER SCHISTOSUS	ASTERACEAE		VA
2	ASTER SPINULOSUS	ASTERACEAE		FL
3B	ASTER VERUTIFOLIUS	ASTERACEAE		MS
2	ASTER VIALIS	ASTERACEAE		OR
2	ASTER YUKONENSIS	ASTERACEAE	ASTER, YUKON	AK, Canada (Yukon)
1	* ASTILBE CRENATILOBA	SAXIFRAGACEAE		TN
3C	ASTRAGALUS ACCUMBENS	FABACEAE		NM
3C	ASTRAGALUS ACKERMANNII	FABACEAE		NV
2	ASTRAGALUS AEQUALIS	FABACEAE		NV
1	* ASTRAGALUS AGNICIDUS	FABACEAE		CA
3C	ASTRAGALUS ALTUS	FABACEAE		NM
3C	ASTRAGALUS ALVORDENSIS	FABACEAE		NV OR
3C	ASTRAGALUS AMNIS-AMISSI	FABACEAE	MILK-VETCH,	ID
2	ASTRAGALUS AMPULLARIUS	FABACEAE	MILK-VETCH, GUMBO	AZ UT
2	ASTRAGALUS ANSERINUS	FABACEAE		NV UT
2	ASTRAGALUS APPLIGATEI	FABACEAE		OR
2	ASTRAGALUS ATRATUS VAR. INSEPTUS	FABACEAE	MILK-VETCH,	ID
3C	ASTRAGALUS BARNEBYI	FABACEAE	MILK-VETCH, BARNEBY	AZ UT
2	ASTRAGALUS BARRII	FABACEAE		SD
3C	ASTRAGALUS BEATHII	FABACEAE	MILK-VETCH, BEATH	AZ
1	ASTRAGALUS BEATLEYAE	FABACEAE	MILK-VETCH, BEATLEY	NV
2	ASTRAGALUS BRAUNTONII	FABACEAE	MILK-VETCH, BRAUNTON'S	CA
3C	ASTRAGALUS CALLITHRIX	FABACEAE	MILK-VETCH, CALLOWAY	NV UT
3C	ASTRAGALUS CALYCOSUS VAR. MONOPHYLLIDIUS	FABACEAE		NV
2	ASTRAGALUS CAMPTOPUS	FABACEAE		ID
9	ASTRAGALUS CASTANEIFORMIS VAR. CONSOBRINUS	*** SEE ***	ASTRAGALUS CONSOBRINUS	
3C	ASTRAGALUS CASTETTERI	FABACEAE	MILK-VETCH, CASTETTER	NM
3C	ASTRAGALUS CERAMICUS VAR. APUS	FABACEAE		ID
3C	ASTRAGALUS CHLOODES	FABACEAE	MILK-VETCH, GRASS	UT
3C	ASTRAGALUS CIMAE VAR. CIMAE	FABACEAE	RATTLEWEED, CIMA	CA NV
3C	ASTRAGALUS CIMAE VAR. SUFFLATUS	FABACEAE		CA
2	ASTRAGALUS CLARIANUS	FABACEAE	MILK-VETCH, NAPA	CA
2	ASTRAGALUS COLLINUS VAR. LAURENTII	FABACEAE		OR
2	ASTRAGALUS COLUMBIANUS	FABACEAE	MILK-VETCH, COLUMBIA	WA
3C	ASTRAGALUS CONSOBRINUS	FABACEAE		UT
3C	ASTRAGALUS CONVALLARIUS VAR. FINITIMUS	FABACEAE		UT NV
3C	ASTRAGALUS COTTAMII	FABACEAE	MILK-VETCH, COTTAM	AZ UT
2	ASTRAGALUS COTTONII	FABACEAE		WA
1	ASTRAGALUS CREMNOPHYLAX VAR. CREMNOPHYLAX	FABACEAE	MILK-VETCH, SENTRY	AZ
3C	ASTRAGALUS CREMNOPHYLAX VAR. MYRIORRHAPHIS	FABACEAE		AZ
2	ASTRAGALUS CRONQUISTII	FABACEAE	MILK-VETCH, CRONQUIST	CO UT
2	ASTRAGALUS DEANEI	FABACEAE	MILK-VETCH, DEANE	CA
2	ASTRAGALUS DEDEQUAEUS	FABACEAE		CO
2	ASTRAGALUS DESERETICUS	FABACEAE	MILK-VETCH, DESERET	UT
9	ASTRAGALUS DESPERATUS VAR. CONSPECTUS	*** SEE ***	ASTRAGALUS BARNEBYI	
3C	ASTRAGALUS DETERIOR	FABACEAE	MILK-VETCH, CLIFF-PALACE	CO
3C	ASTRAGALUS DETRITALIS	FABACEAE	MILK-VETCH, DEBRIS	CO UT
2	ASTRAGALUS DIAPHANUS	FABACEAE		OR WA
2	ASTRAGALUS DOUGLASSII VAR. PERSTRICTUS	FABACEAE	MILK-VETCH, ROUND-PODDED	CA



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
3C	ASTRAGALUS DRABELLIFORMIS	FABACEAE		WY
3C	ASTRAGALUS DUCHESNENSIS	FABACEAE	MILK-VETCH, DUCHESNE	CO UT
3C	ASTRAGALUS ENSIFORMIS	FABACEAE		AZ UT
1	ASTRAGALUS EQUISOLENSIS	FABACEAE	MILK-VETCH,	UT
2	ASTRAGALUS FUNEREUS	FABACEAE	WOOLY POD, BLACK	CA NV
2	ASTRAGALUS GEYERI VAR. TRIQUETRUS	FABACEAE		AZ NV
2	ASTRAGALUS GYPSODES	FABACEAE	MILK-VETCH, GYPSUM	NM TX
2	ASTRAGALUS HAMILTONII	FABACEAE	MILK-VETCH, HAMILTON	UT
2	ASTRAGALUS HARRISONII	FABACEAE	MILK-VETCH, HARRISON	UT
3C	ASTRAGALUS HENRIMONTANENSIS	FABACEAE		UT
2	ASTRAGALUS HOLMGRENII	FABACEAE		AZ UT
3C	ASTRAGALUS HODDIANUS	FABACEAE		OR WA
LE	ASTRAGALUS HUMILLIMUS	FABACEAE	MILK-VETCH, MANDOS	CO NM
3C	ASTRAGALUS ISELYI	FABACEAE	MILK-VETCH, ISELY	UT
2	ASTRAGALUS JAEGERIANUS	FABACEAE	MILK-VETCH, COOLGARDIE	CA
2	ASTRAGALUS JEJUNUS SSP. /INED.	FABACEAE		WY
3C	ASTRAGALUS JOHANNIS-HOWELLII	FABACEAE		CA NV
2	• ASTRAGALUS KENTROPHYTA VAR. DOUGLASII	FABACEAE	MILK-VETCH, THISTLE, DOUGLAS	OR WA
2	ASTRAGALUS KNIGHTII	FABACEAE		NM
3C	ASTRAGALUS LANCEARIUS	FABACEAE		AZ UT
9	ASTRAGALUS LAURENTII	*** SEE ***	ASTRAGALUS COLLINUS VAR. LAURENTII	
3C	ASTRAGALUS LENTIFORMIS	FABACEAE		CA
2	ASTRAGALUS LENTIGINOSUS VAR. AMBIGUUS	FABACEAE		AZ
2	ASTRAGALUS LENTIGINOSUS VAR. ANTONIUS	FABACEAE		CA
3B	ASTRAGALUS LENTIGINOSUS VAR. CHARTACEUS	FABACEAE		CA CO ID OR UT WY
1	ASTRAGALUS LENTIGINOSUS VAR. COACHELLAE	FABACEAE		CA
3C	ASTRAGALUS LENTIGINOSUS VAR. LATUS	FABACEAE		NV
3C	ASTRAGALUS LENTIGINOSUS VAR. MARICOPAE	FABACEAE		AZ
1	ASTRAGALUS LENTIGINOSUS VAR. MICANS	FABACEAE	MILK-VETCH, SHINY	CA
1	ASTRAGALUS LENTIGINOSUS VAR. PISCINENSIS	FABACEAE		CA
3C	ASTRAGALUS LENTIGINOSUS VAR. POHLII	FABACEAE	MILK-VETCH,	UT
1	ASTRAGALUS LENTIGINOSUS VAR. SESQUIMETRALIS	FABACEAE		CA NV
2	ASTRAGALUS LENTIGINOSUS VAR. SIERRAE	FABACEAE		CA
2	• ASTRAGALUS LENTIGINOSUS VAR. URSINUS	FABACEAE	MILK-VETCH, BEAR VALLEY	UT
3C	ASTRAGALUS LIMNOCHARIS VAR. LIMNOCHARIS	FABACEAE		UT
2	ASTRAGALUS LINIFOLIUS	FABACEAE	MILK-VETCH, GRAND JUNCTION	CO UT
3C	ASTRAGALUS LOANUS	FABACEAE	MILK-VETCH,	UT
3C	ASTRAGALUS LUTOSUS	FABACEAE		CO UT
2	ASTRAGALUS MAGDALENAE VAR. PEIRSONII	FABACEAE	MILK-VETCH, PEIRSON'S	CA
3C	ASTRAGALUS MALACOIDES	FABACEAE	MILK-VETCH, KAIPAROWITS	UT
2	ASTRAGALUS MICROCYMBUS	FABACEAE	MILK-VETCH,	CO
3B	ASTRAGALUS MINTHORNTIAE VAR. GRACILIOR	FABACEAE		UT
2	ASTRAGALUS MISCELLUS VAR. PAUPER	FABACEAE	MILK-VETCH, PAUPER	WA
2	ASTRAGALUS MOHAVENSIS VAR. HEMIGYRUS	FABACEAE	MILK-VETCH, DARWIN MESA	CA NV
2	ASTRAGALUS MOLLISSIMUS VAR. MARCIDUS	FABACEAE		TX
1	ASTRAGALUS MONDENSIS	FABACEAE		CA
PE	ASTRAGALUS MONTII	FABACEAE	MILK-VETCH, HELIOTROPE	UT
3C	ASTRAGALUS MONUMENTALIS	FABACEAE		AZ NM UT
2	ASTRAGALUS MULFORDIAE	FABACEAE		ID OR
2	ASTRAGALUS MUSIMONUM	FABACEAE		AZ NV
3C	ASTRAGALUS NATURITENSIS	FABACEAE	MILK-VETCH, NATURITA	CO
2	ASTRAGALUS NEVINII	FABACEAE	MILK-VETCH, SAN CLEMENTE ISLAND	CA
3C	ASTRAGALUS NIDULARIUS	FABACEAE		UT
3C	ASTRAGALUS NYENSIS	FABACEAE	MILK-VETCH,	NV
2	ASTRAGALUS ONICIFORMIS	FABACEAE		ID
3C	ASTRAGALUS OCCALYCIS	FABACEAE		CO NM
2	ASTRAGALUS OCCARPUS	FABACEAE	MILK-VETCH, DESCANSO	CA
1	ASTRAGALUS OPHORUS VAR. CLOKEYANUS	FABACEAE		NV
3C	ASTRAGALUS OPHORUS VAR. LONCHOCALYX	FABACEAE		NV UT
2	ASTRAGALUS OSTERHOUTII	FABACEAE	MILK-VETCH, OSTERHOUT	CO
3C	ASTRAGALUS PANAMINTENSIS	FABACEAE		CA
3C	ASTRAGALUS PARDALINUS	FABACEAE		UT
3C	ASTRAGALUS PAUPERCULUS	FABACEAE		CA
3C	ASTRAGALUS PAYSONII	FABACEAE		ID WY
2	ASTRAGALUS PECKII	FABACEAE		OR
LT	ASTRAGALUS PERIANUS	FABACEAE	MILK-VETCH, RYDBERG	UT
LT	ASTRAGALUS PHOENIX	FABACEAE	MILK-VETCH, ASH MEADOWS	NV
3C	ASTRAGALUS PORRECTUS	FABACEAE	MILK-VETCH,	NV
3C	ASTRAGALUS PROIMANTHUS	FABACEAE	MILK-VETCH,	WY
3C	ASTRAGALUS PSEUDIODANTHUS	FABACEAE		CA NV
3C	ASTRAGALUS PTEROCARPUS	FABACEAE		NV
3B	ASTRAGALUS PUNICEUS VAR. GERTRUDIS	FABACEAE		NM
3C	ASTRAGALUS PURSHII VAR. OPHIOGENES	FABACEAE	MILK-VETCH,	ID
1	• ASTRAGALUS PYCNOSTACHYUS VAR. LANDSISSIMUS	FABACEAE	MILK-VETCH, VENTURA MARSH	CA
3C	ASTRAGALUS RAFAELENSIS	FABACEAE	MILK-VETCH, SAN RAFAEL	UT
2	ASTRAGALUS RAVENII	FABACEAE		CA
2	ASTRAGALUS REMOTUS	FABACEAE	MILK-VETCH, SPRING MOUNTAIN	NV
2	ASTRAGALUS ROBBINSII VAR. ALPINIFORMIS	FABACEAE	MILK-VETCH, ROBBINS,	OR
1	ASTRAGALUS ROBBINSII VAR. JESUPI	FABACEAE	MILK-VETCH, ROBBINS,	NM VT
2	ASTRAGALUS ROBBINSII VAR. OCCIDENTALIS	FABACEAE	MILK-VETCH, ROBBINS,	NV
3A	ASTRAGALUS ROBBINSII VAR. ROBBINSII	FABACEAE	MILK-VETCH, ROBBINS,	VT



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	ASTRAGALUS BABULOSUS	FABACEAE		UT
3C	ASTRAGALUS SAURINUS	FABACEAE	MILK-VETCH, DINOSAUR	UT
2	ASTRAGALUS SCHMOLLIAE	FABACEAE	MILK-VETCH, SCHMOLL	CO
3C	ASTRAGALUS SERENOI VAR. SORDESCENS	FABACEAE	MILK-VETCH,	NV
3C	ASTRAGALUS SERPENS	FABACEAE	MILK-VETCH,	UT
2	ASTRAGALUS SHEVOCKII	FABACEAE		CA
2	ASTRAGALUS SHULTZIORUM	FABACEAE		KY
3C	ASTRAGALUS SILICEUS	FABACEAE	MILK-VETCH,	NM
2	ASTRAGALUS SINUATUS	FABACEAE	MILK-VETCH, WHITED	WA
2	ASTRAGALUS SOLITARIUS	FABACEAE		NV OR
9	ASTRAGALUS SPALDINGII VAR. TYGHENSIS	*** SEE ***	ASTRAGALUS TYGHENSIS	
2	ASTRAGALUS STERILIS	FABACEAE	MILK-VETCH,	ID OR
9	ASTRAGALUS STOCKSII	*** SEE ***	ASTRAGALUS HENRIMONTANENSIS	
3C	ASTRAGALUS STRIATIFLORUS	FABACEAE	MILK-VETCH, ESCARPMENT	AZ UT
2	ASTRAGALUS SUBCINEREUS VAR. BASALTIUS	FABACEAE		UT
3C	ASTRAGALUS SUBVESTITUS	FABACEAE		CA
2	ASTRAGALUS TEGETARIOIDES	FABACEAE		CA OR
2	ASTRAGALUS TENER VAR. TITI	FABACEAE	RATTLEWEED, COASTAL DUNES	CA
2	ASTRAGALUS TENNESSEENSIS	FABACEAE		AL IL IN TN
2	ASTRAGALUS TEPHRODES VAR. EURYLOBUS	FABACEAE		NV
2	ASTRAGALUS TITANOPHILUS	FABACEAE		AZ
3C	ASTRAGALUS TODDII	FABACEAE		NV
2	ASTRAGALUS TRASKIAE	FABACEAE	MILK-VETCH, TRASK'S	CA
3C	ASTRAGALUS TROGLODYTES	FABACEAE		AZ
3C	ASTRAGALUS TWEEDYI	FABACEAE		OR WA
2	ASTRAGALUS TYGHENSIS	FABACEAE		OR
2	ASTRAGALUS UNCIALIS	FABACEAE	MILK-VETCH,	NV UT
2	ASTRAGALUS VEXILLIFLEXUS VAR. NUBILUS	FABACEAE		ID
3C	ASTRAGALUS WETHERILLII	FABACEAE		CO UT
3C	ASTRAGALUS WITTMANNII	FABACEAE		NM
3C	ASTRAGALUS WOODRUFFII	FABACEAE		UT
1	ASTRAGALUS XIPHOIDES	FABACEAE	MILK-VETCH, GLADIATOR	AZ
2	ASTRAGALUS YODER-WILLIAMSII	FABACEAE	MILK-VETCH, OSBOOD MOUNTAINS	ID NV
3C	ASTRANTHIUM ROBUSTUM	ASTERACEAE		TX
2	ATRIPLEX CANESCENS VAR. GIGANTEA	CHENOPODIACEAE		UT
3C	ATRIPLEX GRIFFITHII	CHENOPODIACEAE	SALTBUSH, GRIFFITH'S	AZ NM
3C	ATRIPLEX KLEBERGGRUM	CHENOPODIACEAE	SALTBUSH, KLEBERG'S	TX
2	ATRIPLEX PATULA SSP. SPICATA	CHENOPODIACEAE		CA
2	ATRIPLEX PLEIANTHA	CHENOPODIACEAE	SALTBUSH,	CO NM UT
1	ATRIPLEX TULARENSIS	CHENOPODIACEAE	SALTBUSH, BAKERSFIELD	CA
2	ATRIPLEX VALLICOLA	CHENOPODIACEAE	SALTBUSH, LOST HILLS	CA
3C	ATRIPLEX WELSHII	CHENOPODIACEAE	SALTBUSH, WELSH	UT
1	AUREOLARIA PATULA	SCROPHULARIACEAE		AL GA KY TN
2	AYENIA LIMITARIS	STERCULIACEAE		TX MEXICO
8	AZALEA AUSTRINUM	*** SEE ***	RHODODENDRON AUSTRINUM	
2	BACCHARIS PLUMMERAE SSP. GLABRATA	ASTERACEAE	BACCHARIS, HOOVER'S	CA
2	BACCHARIS VANESSAE	ASTERACEAE	BACCHARIS, ENCINITIS	CA
2	BACOPA SIMULANS	SCROPHULARIACEAE	WATER-HYSSOP, CHICKAHOMINY	VA
2	BACOPA STRAGULA	SCROPHULARIACEAE	WATER-HYSSOP, MAT-FORMING	MD VA
3C	BANIA BIGELOVII	ASTERACEAE		TX
3C	BALDUINA ATROPURPUREA	ASTERACEAE		FL GA MS SC
3C	BALSAMORHIZA ROSEA	ASTERACEAE		OR WA
2	BALSAMORHIZA SERICEA /SP. NOV. INED.	ASTERACEAE		OR
1	BANARA VANDERBILTII	FLACOURTIACEAE		PR
LE	BAPTISIA ARACHNIFERA	FABACEAE	RATTLEWEED, HAIRY	GA
2	BAPTISIA CALYCOSA VAR. CALYCOSA	FABACEAE		FL
2	BAPTISIA CALYCOSA VAR. HIRSUTA	FABACEAE	WILD INDIGO, HAIRY	FL
8	BAPTISIA HIRSUTA	*** SEE ***	BAPTISIA CALYCOSA VAR. HIRSUTA	
3C	BAPTISIA MEGACARPA	FABACEAE	WILD INDIGO, APALACHICOLA	AL FL
3B	BAPTISIA RIPARIA	FABACEAE	WILD INDIGO,	FL
2	BAPTISIA SIMPLICIFOLIA	FABACEAE		FL
3C	BARTONIA TEXANA	GENTIANACEAE	SCREWSTEM, TEXAS	TX
2	BASIPHYLLAEA ANGUSTIFOLIA	ORCHIDACEAE		PR, Cuba, Hispaniola
2	BATESIMALVA VIOLACEA	MALVACEAE	GAY-MALLOW, PURPLE	TX, Mexico
3C	BENITDA OCCIDENTALIS	ASTERACEAE		CA
2	BENSONIELLA OREGONA	SAXIFRAGACEAE	BENSONIELLA	CA OR
3C	BERBERIS HARRISONIANA	BERBERIDACEAE	BARBERRY,	AZ
3C	BERBERIS HIGGINIAE	BERBERIDACEAE	BARBERRY, HIGGIN'S	CA
8	BERBERIS NERVOSA VAR. MENDOCINENSIS	*** SEE ***	MAHONIA NERVOSA VAR. MENDOCINENSIS	
8	BERBERIS NEVINII	*** SEE ***	MAHONIA NEVINII	
8	BERBERIS PINNATA SSP. INSULARIS	*** SEE ***	MAHONIA PINNATA SSP. INSULARIS	
8	BERBERIS SONNETI	*** SEE ***	MAHONIA SONNETI	
3C	BERBERIS SWASEYI	BERBERIDACEAE		TX
2	BESSEYA BULLII	SCROPHULARIACEAE		IL IN IA MI MN OH WI
8	BETULA LENTA VAR. UBER	*** SEE ***	BETULA UBER	
LE	BETULA UBER	BETULACEAE	BIRCH, ROUND-LEAF, VIRGINIA	VA
3B	BIDENS ASPLENIROIDES	ASTERACEAE	KO'OKO'OLAU	HI
3C	BIDENS BIDENTOIDES VAR. BIDENTOIDES	ASTERACEAE	BUR-MARIGOLD,	DE NJ NY PA
2	BIDENS BIDENTOIDES VAR. MARIANA	ASTERACEAE	BUR-MARIGOLD, MARYLAND	MD
1	BIDENS CAMPYLOTHECA	ASTERACEAE	BIDENS, CAMPYLOTHECA	HI
3C	BIDENS CERVICATA	ASTERACEAE	KO'OKO'OLAU	HI
3B	BIDENS COARCTATA	ASTERACEAE	BIDENS, MANDA	HI
3C	BIDENS CONJUNCTATA	ASTERACEAE	KO'OKO'OLAU	HI



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
S	BIDENS CTENOPHYLLA	*** SEE ***	BIDENS MICRANTHA SSP. CTENOPHYLLA	
LE	BIDENS CUNEATA	ASTERACEAE	BIDENS, CUNEATE	HI
3B	BIDENS DEGENERI	ASTERACEAE	KO'OKO'OLAU	HI
3B	BIDENS DISTANS	ASTERACEAE	BIDENS, LANAI	HI
3C	BIDENS FORBESII	ASTERACEAE	BIDENS, FORBES	HI
3B	BIDENS BRACILOIDES	ASTERACEAE	BIDENS, MAUNALUA	HI
3C	BIDENS HAWAIIENSIS	ASTERACEAE	KO'OKO'OLAU	HI
3E	BIDENS MACROCARPA VAR. OVATIFOLIA	ASTERACEAE	KO'OKO'OLAU	HI
3B	BIDENS MAGNIDISCA	ASTERACEAE	KO'OKO'OLAU	HI
3C	BIDENS MAUIENSIS	ASTERACEAE	KO'OKO'OLAU	HI
3C	BIDENS MENIESII VAR. LEPTODONTA	ASTERACEAE	KO'OKO'OLAU	HI
2	BIDENS MICRANTHA SSP. CTENOPHYLLA	ASTERACEAE		HI
1	BIDENS MICRANTHA SSP. KALEALAHA	ASTERACEAE	KO'OKO'OLAU	HI
3B	BIDENS MICRANTHA VAR. CADUCA	ASTERACEAE	KO'OKO'OLAU	HI
3B	BIDENS MICRANTHA VAR. KAALANA	ASTERACEAE	KO'OKO'OLAU	HI
3B	BIDENS MICRANTHA VAR. LACINIATA	ASTERACEAE	KO'OKO'OLAU	HI
1	BIDENS MOLDAKAIENSIS	ASTERACEAE	KO'OKO'OLAU	HI
3C	BIDENS NAPALIENSIS	ASTERACEAE	KO'OKO'OLAU	HI
S	BIDENS NEMATOCERA	*** SEE ***	BIDENS WIEBKETI	HI
3B	BIDENS OBTUSILOBA	ASTERACEAE	KO'OKO'OLAU	HI
3C	BIDENS POPULIFOLIA	ASTERACEAE	BIDENS, POPLAR-LEAVED	HI
3B	BIDENS PULCHELLA	ASTERACEAE	KO'OKO'OLAU	HI
3B	BIDENS SALICOIDES	ASTERACEAE	BIDENS, WILLOW-LEAVED	HI
3B	BIDENS SANDWICENSIS VAR. SETOSA	ASTERACEAE	KO'OKO'OLAU	HI
3B	BIDENS SKOTTSSBERGII	ASTERACEAE	KO'OKO'OLAU	HI
3B	BIDENS STOKESII	ASTERACEAE	BIDENS, STOKES	HI
3C	BIDENS VALIDA	ASTERACEAE	BIDENS, ROBUST	HI
3C	BIDENS WAIMEANA	ASTERACEAE	KO'OKO'OLAU	HI
1	BIDENS WIEBKETI	ASTERACEAE	KO'OKO'OLAU	HI
2	BLENNOSPERMA BAKERI	ASTERACEAE	BLENNOSPERMA, BAKER'S	CA
2	BLENNOSPERMA NANUM VAR. ROBUSTUM	ASTERACEAE	BLENNOSPERMA, POINT REYES	CA
2	BLOOMERIA HUMILIS	LILIACEAE	GOLDENSTAR, DWARF	CA
3C	BOBEA SANDWICENSIS	RUBIACEAE	'AHAKEA	HI
1	BOBEA TIMONIODES	RUBIACEAE	'AHAKEA	HI
1	BOERHAVIA MATHEISIANA	NYCTAGINACEAE		TX
S	BOLOPHYTA ALPINA	*** SEE ***	PARTHENIUM ALPINUM	
S	BOLOPHYTA LIGULATA	*** SEE ***	PARTHENIUM LIGULATUM	
S	BOLOPHYTA TETRANEURIS	*** SEE ***	PARTHENIUM TETRANEURIS	
2	BOLTONIA ASTEROIDES VAR. DECURRENS	ASTERACEAE		IL MO
1	BONANIA GRANDIFLORA	CONVOLVULACEAE		FL
1	BONANIA MENIESII	CONVOLVULACEAE		HI
2	BONANIA OVALIFOLIA	CONVOLVULACEAE		TX MEXICO
3C	BOTRYCHIDIUM EYARISTATA	POACEAE		LA TX
2	BOTRYCHIDIUM CRENULATUM	OPHIOGLOSSACEAE		CA
2	BOTRYCHIDIUM PARADOXUM	OPHIOGLOSSACEAE		MT, Canada (Alta.)
2	BOTRYCHIDIUM PUNICOLA	OPHIOGLOSSACEAE	GRAPE FERN, CRATER LAKE	CA OR
1	BOTRYCHIDIUM SUBBIFOLIATUM	OPHIOGLOSSACEAE	MAKOU	HI
1	BRACHIONIDIUM CILIOLATUM	ORCHIDACEAE		FR
2	BRASSIA CAUDATA	ORCHIDACEAE		FL, Mexico, West Indies, Central America, South America
2	BRAYA HUMILIS SSP. VENTOSA	BRASSICACEAE		CO
3C	BRAYA HUMILIS VAR. LEIOCARPA	BRASSICACEAE		MI VT, Canada
3C	BRAZORIA PULCHERRIMA	LAMIACEAE	BROZDS-MINT, CENTERVILLE	TX
S	BREWERIA GRANDIFLORA	*** SEE ***	BONANIA GRANDIFLORA	
2	BRICKELLIA BRACHYPHYLLA VAR. HINCKLEYI	ASTERACEAE		TX
2	BRICKELLIA BRACHYPHYLLA VAR. TERLINGUENSIS	ASTERACEAE		TX
2	BRICKELLIA CORDIFOLIA	ASTERACEAE	NEMESIS, FLYR'S	AL FL GA
3C	BRICKELLIA DENTATA	ASTERACEAE		TX
S	BRICKELLIA EUPATORIODES VAR. FLORIDANA	*** SEE ***	BRICKELLIA MOSIERI	
3C	BRICKELLIA KNAPPIANA	ASTERACEAE	BRICKELLIA, KNAPP'S	CA NV
3C	BRICKELLIA LEPTOPHYLLA	ASTERACEAE		TX, MEXICO
2	BRICKELLIA MOSIERI	ASTERACEAE		AL FL GA SC
3C	BRICKELLIA SHINERI	ASTERACEAE		TX, Mexico
2	BRICKELLIA VIEJENSIS	ASTERACEAE	BRICKELLIA, SIERRA VIEJA	TX
1	BRIGHAMIA CITRINA	CAMPANULACEAE	ALULA	HI
1	BRIGHAMIA INSIGNIS	CAMPANULACEAE	ALULA	HI
1	BRIGHAMIA REMYI	CAMPANULACEAE		HI
1	BRIGHAMIA ROCKII	CAMPANULACEAE	PUA'ALA	HI
2	BRODIAEA CORDONARIA SSP. ROSEA	LILIACEAE	BRODIAEA, INDIAN VALLEY	CA
2	BRODIAEA FILIFOLIA	LILIACEAE	BRODIAEA, THREAD-LEAVED	CA
1	BRODIAEA INSIGNIS	LILIACEAE		CA
2	BRODIAEA KINKIENSIS	LILIACEAE	BRODIAEA, SAN CLEMENTE ISLAND	CA
2	BRODIAEA ORCUTTII	LILIACEAE	BRODIAEA, ORCUTT'S	CA, Mexico
1	BRODIAEA PALLIDA	LILIACEAE	BRODIAEA, CHINESE CAMP	CA
3C	BROMUS TEXENSIS	POACEAE		TX, Mexico
2	BRONGNIARTIA MINUTIFOLIA	FABACEAE	BRONGNIARTIA, LITTLE-LEAF	TX, Mexico
1	BRUNFELSIA PORTORICENSIS	SOLANACEAE		PR
2	BUCKLEYA DISTICHOPHYLLA	SANTALACEAE		NC TN VA
2	BUMELIA THORNEI	SAPOTACEAE	BUCKTHORN,	GA
LE	BUXUS VAHLII	BUXACEAE	BOXWOOD,	PR
2	BYRSONIMA HORNEANA	MALPIGHIACEAE	MARICAO CIMARRON	PR

STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	BYRSONIMA OPHITICOLA	MALPIGHIACEAE	MARICAD CIMARRON	PR
2	CACALIA DIVERSIFOLIA	ASTERACEAE		AL FL GA
1	CACALIA RUGELIA	ASTERACEAE		NC TN
3C	CAESALPINIA BRACHYCARPA	FABACEAE		TX
2	CAESALPINIA CULEBRAE	FABACEAE	MATO AMARILLO (SMOOTH YELLOW NICKER)	PR
3C	CAESALPINIA DRUMMONDII	FABACEAE		TX, Mexico
3B	CAESALPINIA MONENSIS	FABACEAE	MATO NEGRO (BLACK NICKER)	PR
1	CAESALPINIA PORTORICENSIS	FABACEAE	MATO (BROWN NICKER)	PR
1	CALAMAGROSTIS CAIINI	POACEAE		TN
2	CALAMAGROSTIS CRASSIGLUMIS	POACEAE	REED GRASS, THURBER'S	AK CA WA, Canada (B.C.)
2	CALAMAGROSTIS DENSA	POACEAE	REED GRASS, DENSE	CA, Mexico
2	CALAMAGROSTIS FOLIOSA	POACEAE	REED GRASS, LEAFY	CA
3B	CALAMAGROSTIS INEXPANSA VAR. NOVAE-ANGLIAE	POACEAE	REED GRASS, NORTHERN, NEW ENGLAND	ME NH VT
5	CALAMAGROSTIS INSPERATA	*** SEE ***	CALAMAGROSTIS PORTERI SSP. INSPERATA	
3B	CALAMAGROSTIS NUBLA	POACEAE	REED GRASS,	NH
2	CALAMAGROSTIS PERPLEXA	POACEAE	REED GRASS, WOOD	NY
3C	CALAMAGROSTIS PORTERI	POACEAE	REED GRASS,	KY NY NC PA VA WV
2	CALAMAGROSTIS PORTERI SSP. INSPERATA	POACEAE	REED GRASS, OFER HOLLOW	AR MO OH
2	CALAMAGROSTIS TWEEDYI	POACEAE	REED GRASS,	ID MT WA
1	CALAMINTHA ASHET	LAMIACEAE		FL GA
2	CALAMINTHA DENTATA	LAMIACEAE		FL GA
1	CALAMOVILFA ARCUATA	POACEAE	SAND GRASS,	OK TN
2	CALAMOVILFA BREVIPILIS	POACEAE	SAND GRASS,	NJ NC VA
3B	CALAMOVILFA BREVIPILIS VAR. CALVIPES	POACEAE	SAND GRASS,	VA
2	CALAMOVILFA CURTISSII	POACEAE	SAND GRASS,	FL
3C	CALLIANDRA BIFLORA	FABACEAE	STICK-PEA, TWO-FLOWERED	TX, Mexico
1	CALLICARPA AMPLA	VERBENACEAE	CAPA ROSA	PR VI
2	CALLIRHOE BUSHII	MALVACEAE	POPPY-MALLOW,	AR KS MO OK
5	CALLIRHOE PAPAVER VAR. BUSHII	*** SEE ***	CALLIRHOE BUSHII	
LE	CALLIRHOE SCABRISCUOLA	MALVACEAE	POPPY-MALLOW, TEXAS	TX
2	CALOCHORTUS CLAVATUS SSP. RECURVIFOLIUS	LILIACEAE	MARIPOSA, CRUZ	CA
1	CALOCHORTUS CLAVATUS VAR. AVIUS	LILIACEAE	MARIPOSA, PLEASANT VALLEY	CA
1	CALOCHORTUS COERULEUS VAR. WESTONII	LILIACEAE	MARIPOSA, SHIRLEY MEADOWS	CA
2	CALOCHORTUS DUNNII	LILIACEAE	MARIPOSA, DUNN'S	CA, Mexico
2	CALOCHORTUS EXCAVATUS	LILIACEAE	MARIPOSA, INYO	CA
2	CALOCHORTUS GREENEI	LILIACEAE	MARIPOSA, GREENE'S	CA DR
2	CALOCHORTUS HOWELLII	LILIACEAE		OR
2	CALOCHORTUS INDECORUS	LILIACEAE	MARIPOSA,	DR
2	CALOCHORTUS LONGEBARBATUS VAR. LONGEBARBATUS	LILIACEAE	STAR-TULIP, LONG-HAIRED	CA JR WA
2	CALOCHORTUS LONGEBARBATUS VAR. PECKII	LILIACEAE	MARIPOSA-LILY, LONG-BEARDED, PECK'S	DR
1	CALOCHORTUS MONANTHUS	LILIACEAE	MARIPOSA, SHASTA RIVER	CA
2	CALOCHORTUS NITIDUS	LILIACEAE		ID WA
2	CALOCHORTUS OBISPOENSIS	LILIACEAE	MARIPOSA, SAN LUIS	CA
2	CALOCHORTUS PERSISTENS	LILIACEAE	MARIPOSA, SISKIYOU	CA
3C	CALOCHORTUS SIMULANS	LILIACEAE		CA
2	CALOCHORTUS STRIATUS	LILIACEAE	MARIPOSA, ALKALI	CA NV
1	CALOCHORTUS TIBURONENSIS	LILIACEAE	MARIPOSA, TIBURON	CA
3C	CALOCHORTUS VENUSTUS VAR. SANGUINEUS	LILIACEAE		CA
2	CALYCADENIA FREMONTII	ASTERACEAE	ROSINWEED, FREMONT'S	CA
2	CALYCADENIA HOODVERI	ASTERACEAE		CA
1	CALYPTRANTHES LUQUILLENIS	MYRTACEAE		PR
1	CALYPTRANTHES PEDUNCULARIS	MYRTACEAE		PR
2	CALYPTRANTHES THOMASIANA	MYRTACEAE		PR VI
1	CALYPTRANTHES TRIFLORUM	MYRTACEAE		PR
2	CALYPTRIDIDIUM PULCHELLUM	PORTULACACEAE	PUSSY PAWS, MARIPOSA	CA
1	CALYPTRONOMA RIVALIS	ARECACEAE	PALMA MANACA	PR
2	CALYSTEGIA COLLINA SSP. OXYPHYLLA	CONVOLVULACEAE		CA
2	CALYSTEGIA COLLINA SSP. VENUSTA	CONVOLVULACEAE		CA
2	CALYSTEGIA MACROSTEGIA SSP. AMPLISSIMA	CONVOLVULACEAE		CA
2	CALYSTEGIA PEIRSONII	CONVOLVULACEAE	MORNING-GLORY, PEIRSON'S	CA
2	CALYSTEGIA STEBBINSII	CONVOLVULACEAE	MORNING-GLORY, STEBBINS'	CA
2	CALYSTEGIA SUBCAULIS SSP. EPISCOPALIS	CONVOLVULACEAE		CA
3C	CAMASSIA CUSICKII	LILIACEAE		ID OR
3C	CAMASSIA LEICHTLINII VAR. LEICHTLINII	LILIACEAE	CAMASSIA, LEICHTLIN	DR
LT	CAMISSONIA BENITENSIS	ONAGRACEAE	EVENING-PRIMROSE, SAN BENITO	CA
2	CAMISSONIA CONFERTIFLORA	ONAGRACEAE		AZ
2	CAMISSONIA EXILIS	ONAGRACEAE		AZ UT
3C	CAMISSONIA GOULDII	ONAGRACEAE		AZ UT
2	CAMISSONIA GUADALUPENSIS SSP. CLEMENTINA	ONAGRACEAE	EVENING-PRIMROSE, SAN CLEMENTE I.	CA
2	CAMISSONIA HARDHAMIAE	ONAGRACEAE	EVENING-PRIMROSE, HARDHAM'S	CA
2	CAMISSONIA MEGALANTHA	ONAGRACEAE		NV
3C	CAMISSONIA NEVADENSIS	ONAGRACEAE		NV
3C	CAMISSONIA PARRYI	ONAGRACEAE		AZ UT
2	CAMISSONIA SIERRAE SSP. ALTICOLA	ONAGRACEAE		CA
2	CAMISSONIA SPECUICOLA SSP. HESPERIA	ONAGRACEAE		AZ
3C	CAMISSONIA SPECUICOLA SSP. SPECUICOLA	ONAGRACEAE		AZ
2	CAMISSONIA TANACETIFOLIA SSP. QUADRIPERFORATA	ONAGRACEAE		CA
2	CAMPANULA CALIFORNICA	CAMPANULACEAE	HAREBELL, SWAMP	CA
3C	CAMPANULA PIPERI	CAMPANULACEAE	HAREBELL, OLYMPIC	WA
3C	CAMPANULA REVERCHONII	CAMPANULACEAE		TX



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	CAMPANULA ROBINSIAE	CAMPANULACEAE	BELLFLOWER, ROBINS	FL
3B	CAMPANULA ROTUNDIFOLIA VAR. SACAJAMEANA	CAMPANULACEAE		OR
2	CAMPANULA SHARSMITHIAE	CAMPANULACEAE	HAREBELL, MT. HAMILTON	CA
3C	CAMPANULA SHETLERI	CAMPANULACEAE	CAMPANULA, CASTLE	CA
3C	CAMPANULA WILKINSIANA	CAMPANULACEAE	HAREBELL, WILKIN'S	CA
1	CANAVALIA CENTRALIS	FABACEAE	JACK-BEAN,	HI
1	CANAVALIA FORBESII	FABACEAE	JACK-BEAN,	HI
1	CANAVALIA HALEAKALAEANSIS	FABACEAE	JACK-BEAN,	HI
3C	CANAVALIA IADENSIS	FABACEAE	JACK-BEAN,	HI
1	CANAVALIA KAUAIIENSIS	FABACEAE	JACK-BEAN,	HI
1	CANAVALIA KAUENSIS	FABACEAE	JACK-BEAN,	HI
1	CANAVALIA LANAIENSIS	FABACEAE	JACK-BEAN, LANAI	HI
1	CANAVALIA MAKAHAENSIS	FABACEAE	JACK-BEAN,	HI
1	CANAVALIA MOLOKAIENSIS	FABACEAE	JACK-BEAN, MOLOKAI	HI
1	CANAVALIA MUNROI	FABACEAE	JACK-BEAN,	HI
3C	CANAVALIA NAPALIENSIS	FABACEAE	JACK-BEAN,	HI
1	CANAVALIA NUALOLOENSIS	FABACEAE	JACK-BEAN,	HI
1	CANAVALIA PENINSULARIS	FABACEAE	JACK-BEAN,	HI
1	CANAVALIA PUBESCENS	FABACEAE	JACK-BEAN,	HI
1	CANAVALIA ROCKII	FABACEAE	PUA-KAUHI	HI
3C	CANAVALIA SANGUINEA	FABACEAE	JACK-BEAN,	HI
1	CANAVALIA STENOPHYLLA	FABACEAE	JACK-BEAN,	HI
2	CANNA PERTUSA	CANNACEAE	WARACA	FL PR
1	CAPPARIS SANDWICHIANA VAR. SANDWICHIANA	CAPPARACEAE	PUA PILO (CAPER, NATIVE)	HI
3C	CARDAMINE CONSTANCEI	BRASSICACEAE	BITTER CRESS, CONSTANCE'S	ID
5	CARDAMINE GAMBELII	*** SEE ***	NASTURTIUM GAMBELII	
3C	CARDAMINE KONAENSIS	BRASSICACEAE	BITTER CRESS, KONA	HI
2	CARDAMINE LONGII	BRASSICACEAE	BITTER CRESS, LONG'S	MA ME MD NC NH NJ NY VA
1	CARDAMINE MICRANTHERA	BRASSICACEAE	BITTER CRESS,	NC
2	CARDAMINE PATTERSONII	BRASSICACEAE	BITTER CRESS, SADDLE MOUNTAIN	OR
3C	CARDAMINE PENDULIFLORA	BRASSICACEAE		OR
3C	CARDAMINE RUPICOLA	BRASSICACEAE	BITTER CRESS,	MT
2	CAREX ABDORIGINUM	CYPERACEAE	SEDGE, INDIAN VALLEY	ID
1	CAREX ALBIDA	CYPERACEAE	SEDGE, WHITE	CA
1	CAREX AMPLISQUAMA	CYPERACEAE		GA
3B	CAREX ARAPAHOENSIS	CYPERACEAE		CO MT UT WY
3C	CAREX AUSTROROCAROLINIANA	CYPERACEAE		GA NC SC TN
2	CAREX BALTZELLII	CYPERACEAE		AL FL
2	CAREX BARRATTII	CYPERACEAE	SEDGE, BARRATT'S	AL CT DE MD NC NJ NY PA TN VA
2	CAREX BILTMOREANA	CYPERACEAE	SEDGE, BILTHORE	GA NC SC
2	CAREX CHAPMANII	CYPERACEAE	SEDGE,	FL NC SC VA
5	CAREX CURATORUM	*** SEE ***	CAREX SCIRPOIDEA VAR. CURATORUM	
2	CAREX DECOMPOSITA	CYPERACEAE		AL FL GA IL IN MI MO SC VA
3B	CAREX ELACHYCARPA	CYPERACEAE	SEDGE, AROOSTOOK	ME
2	CAREX FISSA	CYPERACEAE		OK
3C	CAREX INTERRUPTA	CYPERACEAE		OR WA
3B	CAREX JACOBI-PETERI	CYPERACEAE	SEDGE, ANDERSON	AK
3B	CAREX JOSSELYNII	CYPERACEAE	SEDGE, JOSSELYN'S	ME
1	CAREX LATEBRATEATA	CYPERACEAE	SEDGE, WATERFALL'S	AR OK
2	CAREX LENTICULARIS VAR. DOLIA	CYPERACEAE		AK MT, Canada (Alta., B.C., Yukon)
3C	CAREX MICROPTERA VAR. CRASSINERVA	CYPERACEAE	SEDGE, SMALL-LIVING, THICK-NERVED	CO MT NV WY
3C	CAREX MISERA	CYPERACEAE		GA NC TN
3C	CAREX OBISPOENSIS	CYPERACEAE	SEDGE, SAN LUIS	CA
3B	CAREX ONUSTA	CYPERACEAE		TX
2	CAREX ORDONENSIS	CYPERACEAE	SEDGE,	ME
3C	CAREX PARRYANA SSP. IDAHOA	CYPERACEAE		ID MT
2	CAREX PAUCIFRACTUS	CYPERACEAE	SEDGE, SIERRA	CA
5	CAREX PLECTOCARPA	*** SEE ***	CAREX LENTICULARIS VAR. DOLIA	
2	CAREX POLYMRORPHA	CYPERACEAE	SEDGE, VARIABLE	CT DE MA MD ME NH NJ NY PA RI VA WV
3C	CAREX PURPURIFERA	CYPERACEAE		AL GA KY NC TN
1	CAREX ROANENSIS	CYPERACEAE		TN
3C	CAREX SCIRPOIDEA VAR. CURATORUM	CYPERACEAE		AZ UT
3C	CAREX SOCIALIS	CYPERACEAE		AR IL IN KY MO TN
LT	CAREX SPECUICOLA	CYPERACEAE	SEDGE,	AZ
3C	CAREX TOMPKINSII	CYPERACEAE	SEDGE, THOMPkins	CA
3C	CAREX WHITNEYI	CYPERACEAE	SEDGE, WHITNEY	CA
1	CARPENTERIA CALIFORNICA	SAXIFRAGACEAE	CARPENTERIA	CA
3B	CASSIA EXUNGUIS	FABACEAE	TAMARINDILLO	PR
2	CASSIA FASCICULATA VAR. MACROSPERMA	FABACEAE		MD VA
1	CASSIA KEYENSIS	FABACEAE	SENNA, FLORIDA KEYS	FL
1	CASSIA MIRABILIS	FABACEAE		PR
3C	CASSIA RIPLEYANA	FABACEAE		TX
5	CASTANEA OZARKENSIS	*** SEE ***	CASTANEA PUMILA VAR. OZARKENSIS	
2	CASTANEA PUMILA VAR. OZARKENSIS	FABACEAE	CHINQUAPIN, OZARK	AL AR MO OK
2	CASTILLEJA ANNUA	SCROPHULARIACEAE		AK
1	CASTILLEJA AQUARIENSIS	SCROPHULARIACEAE	INDIAN PAINTBRUSH, AQUARIUS	UT
3C	CASTILLEJA BREVILOBATA	SCROPHULARIACEAE	INDIAN PAINTBRUSH, SHORT-LOBED RED	CA OR
2	CASTILLEJA CHLOROTICA	SCROPHULARIACEAE	INDIAN PAINTBRUSH, GREEN-TINGED	OR
1	CASTILLEJA CHRISTII	SCROPHULARIACEAE	INDIAN PAINTBRUSH, CHRIST'S	ID



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
3C	CASTILLEJA CHRYSANTHA	SCROPHULARIACEAE		OR
2	CASTILLEJA CILIATA	SCROPHULARIACEAE	INDIAN PAINTBRUSH,	TX
2	CASTILLEJA CINEPEA	SCROPHULARIACEAE	INDIAN PAINTBRUSH, ASH GREY	CA
3A	CASTILLEJA CRUENTA	SCROPHULARIACEAE	INDIAN PAINTBRUSH.	AZ
2	CASTILLEJA CRYPTANTHA	SCROPHULARIACEAE		WA
3C	CASTILLEJA CULBERTSONII	SCROPHULARIACEAE	INDIAN PAINTBRUSH, CULBERTSON	CA
3C	CASTILLEJA ELATA	SCROPHULARIACEAE		CA OR
2	CASTILLEJA ELONGATA	SCROPHULARIACEAE		TX
5	CASTILLEJA EWANII	*** SEE ***	CASTILLEJA MARTINII VAR. EWANII	
2	CASTILLEJA FRATERNA	SCROPHULARIACEAE		OR
3C	CASTILLEJA GLANDULIFERA	SCROPHULARIACEAE		OR
2	CASTILLEJA GLEASONII	SCROPHULARIACEAE	PAINTBRUSH, MT. GLEASON	CA
LE	CASTILLEJA GRISEA	SCROPHULARIACEAE	INDIAN PAINTBRUSH, SAN CLEMENTE IS.	CA
2	CASTILLEJA HOLOLEUCA	SCROPHULARIACEAE		CA
5	CASTILLEJA HOLOLEUCA SSP. GRISEA	*** SEE ***	CASTILLEJA GRISEA	
2	CASTILLEJA KAIBABENSIS	SCROPHULARIACEAE		AZ
3C	CASTILLEJA LASSENENSIS	SCROPHULARIACEAE	INDIAN PAINTBRUSH, LEMMON'S	CA
2	CASTILLEJA LATIFOLIA SSP. MENDOCINENSIS	SCROPHULARIACEAE	INDIAN PAINTBRUSH, MENDOCINO COAST	CA
1	CASTILLEJA LESCHKEANA	SCROPHULARIACEAE	INDIAN PAINTBRUSH, POINT REYES	CA
2	CASTILLEJA LEVISECTA	SCROPHULARIACEAE		OR WA, CANADA (B.C.)
3B	CASTILLEJA LINDOIDES	SCROPHULARIACEAE		NV
3B	CASTILLEJA LUDOVICIANA	SCROPHULARIACEAE	INDIAN PAINTBRUSH, JEFF DAVIS PARISH	LA
3C	CASTILLEJA MARTINII VAR. EWANII	SCROPHULARIACEAE	INDIAN PAINTBRUSH, EWAN'S	CA
5	CASTILLEJA MINIATA SSP. ELATA	*** SEE ***	CASTILLEJA ELATA	
2	CASTILLEJA MOLLIS	SCROPHULARIACEAE	INDIAN PAINTBRUSH, SOFT-LEAVED	CA
1	CASTILLEJA NEGLECTA	SCROPHULARIACEAE		CA
3C	CASTILLEJA ORESBIA	SCROPHULARIACEAE		ID OR
3B	CASTILLEJA OMBEYANA	SCROPHULARIACEAE	INDIAN PAINTBRUSH, COMMON MALLOWA	OR
3C	CASTILLEJA PARVIFLORA VAR. OLYMPICA	SCROPHULARIACEAE		WA
3C	CASTILLEJA PARVULA	SCROPHULARIACEAE	INDIAN PAINTBRUSH, TUSHAR	UT
2	CASTILLEJA REVEALII	SCROPHULARIACEAE	INDIAN PAINTBRUSH, REVEAL	UT
2	CASTILLEJA SALSUGINOSA	SCROPHULARIACEAE	INDIAN PAINTBRUSH,	NV
3C	CASTILLEJA SCABRIDA	SCROPHULARIACEAE	INDIAN PAINTBRUSH,	UT
2	CASTILLEJA STEENENSIS	SCROPHULARIACEAE		OR
1	CASTILLEJA ULIGINOSA	SCROPHULARIACEAE	INDIAN PAINTBRUSH, PITKIN MARSH	CA
2	CASTILLEJA XANTHOTRICHA	SCROPHULARIACEAE		OR
2	CAULANTHUS AMPLEXICAULIS VAR. BARBARAE	BRASSICACEAE	CAULANTHUS, SANTA BARBARA	CA
2	CAULANTHUS CALIFORNICUS	BRASSICACEAE	JEWELFLOWER, CALIFORNIA	CA
5	CAULANTHUS LEMMONII	*** SEE ***	STREPTANTHUS LEMMONII	
2	CAULANTHUS SIMULANS	BRASSICACEAE		CA
2	CAULANTHUS STENOCHARPUS	BRASSICACEAE	CAULANTHUS, SLENDER-POD	CA, Mexico
2	CAULOSTRAMINA JAEGERI	BRASSICACEAE	CAULOSTRAMINA, JAEGER'S	CA
3C	CEANOTHUS ARBOREUS	RHAMNACEAE		CA
2	CEANOTHUS CONFUSUS	RHAMNACEAE	CEANOTHUS, RINCON	CA
2	CEANOTHUS CYANEUS	RHAMNACEAE	CEANOTHUS, LAKESIDE	CA
2	CEANOTHUS DIVERSENS	RHAMNACEAE	CEANOTHUS, CALISTOGA	CA
2	CEANOTHUS FERRISAE	RHAMNACEAE	CALIFORNIA-LILAC, COYOTE	CA
2	CEANOTHUS GLORIOSUS VAR. PORRECTUS	RHAMNACEAE	CEANOTHUS, MOUNT VISION	CA
2	CEANOTHUS HEARSTIORUM	RHAMNACEAE	CEANOTHUS, HEARST'S	CA
2	CEANOTHUS IMPRESSUS VAR. NIPOMENSIS	RHAMNACEAE		CA
2	CEANOTHUS MARITIMUS	RHAMNACEAE	CALIFORNIA-LILAC, MARITIME	CA
2	CEANOTHUS MASONII	RHAMNACEAE	CEANOTHUS, BOLINAS	CA
3C	CEANOTHUS PROSTRATUS VAR. LAXUS	RHAMNACEAE	SQUAW CARPET	CA
2	CEANOTHUS RIGIDUS	RHAMNACEAE	CEANOTHUS, MONTERREY	CA
2	CEANOTHUS RODERICKII	RHAMNACEAE	CEANOTHUS, PINE HILL	CA
3C	CENCHRUS AGRIMONIOIDES VAR. AGRIMONIOIDES	POACEAE	SANDBUR, AGRIMONY,	HI
1	CENCHRUS AGRIMONIOIDES VAR. LAYSANENSIS	POACEAE	SANDBUR, AGRIMONY, LAYSAN	HI
3B	CENCHRUS PENDUNCULATUS	POACEAE	SANDBUR, WOOLY MAIANAE	HI
LT	CENTAURIUM NAMOPHILUM VAR. NAMOPHILUM	BENTIANACEAE	CENTAURY, SPRING-LOVING	CA NV
3C	CENTROSEMA ARENICOLA	FABACEAE	BUTTERFLY-PEA,	FL
1	CENTROSTEGIA LEPTOCERAS	POLYGONACEAE	SPINEFLOWER, SLENDER-HORNED	CA
5	CEPHALOCEREUS DEERINGII	*** SEE ***	CEREUS ROBINII	
3C	CERASTIUM ALEUTICUM	CARYOPHYLLACEAE	CHICKWEED, ALEUTIAN	AK
2	CERASTIUM ARVENSE VAR. VILLOSISSIMUM	CARYOPHYLLACEAE	CHICKWEED, FIELD, LONG-HAIRY	PA
5	CERASTIUM BEERINGIANUM VAR. ALEUTICUM	*** SEE ***	CERASTIUM ALEUTICUM	
3B	CERASTIUM CLAWSONII	CARYOPHYLLACEAE	CHICKWEED, MOUSE-EAR	TX
3B	CERATOPHYLLUM FLORIDANUM	CERATOPHYLLACEAE	HORNWORT, FLORIDA	FL
1	CERCOCARPUS TRASKIAE	ROSACEAE	MOUNTAIN-MAHOGANY, CATALINA	CA
PE	CEREUS ERIOPHORUS VAR. FRAGRANS	CACTACEAE	PRICKLY-APPLE, FRAGRANT	FL
2	CEREUS GRACILIS VAR. ABDIGINUM	CACTACEAE	PRICKLY-APPLE, ABDORIGINAL	FL
2	CEREUS GRACILIS VAR. SIMPSONII	CACTACEAE	PRICKLY-APPLE, SIMPSON'S	FL
2	CEREUS GREGGII	CACTACEAE		AZ CA NM TX, Mexico
1	CEREUS PORTORICENSIS	CACTACEAE	HIGO CHUMBO	PR
2	CEREUS QUADRICOSTATUS	CACTACEAE	SEBUCAN	PR
LE	CEREUS ROBINII	CACTACEAE	TREE CACTUS, KEY	FL, Cuba
5	CEREUS ROBINII VAR. DEERINGII	*** SEE ***	CEREUS ROBINII	
5	CEREUS ROBINII VAR. ROBINII	*** SEE ***	CEREUS ROBINII	
3C	CHAENACTIS EVERMANNII	ASTERACEAE		ID
3C	CHAENACTIS NEVILLII	ASTERACEAE		OR
2	CHAENACTIS PARISHII	ASTERACEAE	CHAENACTIS, PARISH'S	CA, Mexico (Baja California)
3C	CHAENACTIS RAMOSA	ASTERACEAE		WA



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
3C	CHAENACTIS THOMPSONII	ASTERACEAE		WA
2	CHAETOPAPPA ELEGANS	ASTERACEAE		NM
2	CHAETOPAPPA HERSHEYI	ASTERACEAE		NM TX
3C	CHAMAECHEAENACTIS SCAPOSA	ASTERACEAE		CO ID UT
5	CHAMAECRISTA KEYENSIS	*** SEE ***	CASSIA KEYENSIS	
5	CHAMAECRISTA MIRABILIS	*** SEE ***	CASSIA MIRABILIS	
5	CHAMAESYCE ATROCOCCA VAR. ATROCOCCA	*** SEE ***	EUPHORBIA ATROCOCCA	
5	CHAMAESYCE CUMULICOLA	*** SEE ***	EUPHORBIA CUMULICOLA	
5	CHAMAESYCE DELTOIDEA SSP. DELTOIDEA	*** SEE ***	EUPHORBIA DELTOIDEA SSP. DELTOIDEA	
5	CHAMAESYCE DELTOIDEA SSP. SERPYLLUM	*** SEE ***	EUPHORBIA DELTOIDEA SSP. SERPYLLUM	
5	CHAMAESYCE GARBERI	*** SEE ***	EUPHORBIA GARBERI	
5	CHAMAESYCE PORTERANA VAR. KEYENSIS	*** SEE ***	EUPHORBIA PORTERANA VAR. KEYENSIS	
5	CHAMAESYCE PORTERANA VAR. PORTERANA	*** SEE ***	EUPHORBIA PORTERANA VAR. PORTERANA	
5	CHAMAESYCE PORTERANA VAR. SCOPARIA	*** SEE ***	EUPHORBIA PORTERANA VAR. SCOPARIA	
5	CHAMAESYCE REMYI	*** SEE ***	EUPHORBIA REMYI	
2	CHARPENTIERA DENSIFLORA	AMARANTHACEAE	PAPALA	HI
2	CHEILANTHES ARIZONICA	POLYPODIACEAE		AZ
2	CHEILANTHES FIBRILLOSA	POLYPODIACEAE	LIP FERN, FIBRILLOSE	CA
2	CHEILANTHES PRINGLEI	POLYPODIACEAE		AZ
5	CHEILANTHES PYRAMIDALIS VAR. ARIZONICA	*** SEE ***	CHEILANTHES ARIZONICA	
2	CHEIRODENDRON HELLERI VAR. HELLERI	ARALIACEAE		HI
2	CHEIRODENDRON HELLERI VAR. MICROCARPUM	ARALIACEAE		HI
2	CHEIRODENDRON HELLERI VAR. SODALIUM	ARALIACEAE		HI
1	* CHEIRODENDRON TRIBYNUM VAR. ROCKII	ARALIACEAE	OLAPA,	HI
1	* CHEIRODENDRON TRIBYNUM VAR. SUBCORDATUM	ARALIACEAE	OLAPA,	HI
5	CHEIROGLOSSA PALMATA	*** SEE ***	OPHIOGLOSSUM PALMATUM	
3C	CHELONE OBLIQUA VAR. SPECIOSA	SCROPHULARIACEAE		AR IA IL IN KY MI MO
2	CHENOPODIUM OAHUENSE VAR. DISCOSPERMUM	CHENOPODIACEAE		HI
1	CHENOPODIUM PEKELDI	CHENOPODIACEAE	GOOSEFOOT, MOLOKAI	HI
1	CHIONANTHUS PYGMAEUS	OLEACEAE	FRINGE-TREE, PYGMY	FL
2	CHLORIS TEXENSIS	POACEAE		TX
2	CHLOROBALUM GRANDIFLORUM	LILIACEAE	SOAPROOT, RED HILLS	CA
1	CHLOROBALUM PURPUREUM VAR. PURPUREUM	LILIACEAE	MOLE, PURPLE	CA
1	CHLOROBALUM PURPUREUM VAR. REDUCTUM	LILIACEAE	MOLE, CANNATTA CANYON	CA
3C	CHOISYA ARIZONICA	RUTACEAE		AZ
2	CHOISYA MOLLIS	RUTACEAE		AZ
3C	CHORIZANTHE BLAKLEYI	POLYGONACEAE		CA
2	CHORIZANTHE BREWERI	POLYGONACEAE	CHORIZANTHE, BREWER'S	CA
2	CHORIZANTHE HOWELLI	POLYGONACEAE	CHORIZANTHE, HOWELL	CA
3C	CHORIZANTHE INSIGNIS	POLYGONACEAE	CHORIZANTHE, INDIAN VALLEY	CA
5	CHORIZANTHE LEPTOCERAS	*** SEE ***	CENTROSTEGIA LEPTOCERAS	
2	CHORIZANTHE ORCUTTIANA	POLYGONACEAE	SPINEFLOWER, ORCUTT'S	CA
1	* CHORIZANTHE PARRYI VAR. FERNANDINA	POLYGONACEAE	CHORIZANTHE, SAN FERNANDO VALLEY	CA
2	CHORIZANTHE PUNGENS VAR. PUNGENS	POLYGONACEAE		CA
2	CHORIZANTHE RECTISPINA	POLYGONACEAE	CHORIZANTHE, SAN FERNANDO VALLEY	CA
3C	CHORIZANTHE SPINOSA	POLYGONACEAE	SPINEFLOWER, MOJAVE	CA
2	CHORIZANTHE STATICOIDES SSP. CHRYSACANTHA	POLYGONACEAE	TURKISH RUGGING, ORANGE COUNTY	CA
2	CHORIZANTHE VALIDA	POLYGONACEAE	SPINEFLOWER, SONOMA	CA
5	CHROMOLAENA BORINGUENSIS	*** SEE ***	EUPATORIUM BORINGUENSE	
5	CHROMOLAENA OTEROI	*** SEE ***	EUPATORIUM OTEROI	
1	CHRYSOPSIS CRUISEANA	ASTERACEAE		FL
PE	CHRYSOPSIS FLORIDANA	ASTERACEAE		FL
2	CHRYSOSPHELIUM IOWENSE	SAXIFRAGACEAE		IA MN
2	CHRYSOTHAMNUS MOLESTUS	ASTERACEAE		AZ
3C	CHRYSOTHAMNUS NAUSEOSUS SSP. NANUS	ASTERACEAE		ID OR WA
3B	CHRYSOTHAMNUS NAUSEOSUS SSP. TEXENSIS	ASTERACEAE		NM TX
5	CHRYSOTHAMNUS VISCIDIFLORUS VAR. MODESTUS	*** SEE ***	CHRYSOTHAMNUS MOLESTUS	
3C	CICUTA BOLANDERI	APIACEAE	WATER-HEMLOCK, BOLANDER	CA
1	CIMICIFUGA ARIZONICA	RANUNCULACEAE		AZ
3C	CIMICIFUGA LACINIATA	RANUNCULACEAE		OR WA
2	CIMICIFUGA RUBIFOLIA	RANUNCULACEAE		AL IL KY TN VA
3C	CIRSIIUM BREVIFOLIUM	ASTERACEAE		ID OR WA
2	CIRSIIUM CAMPYLOM	ASTERACEAE	THISTLE, MT. HAMILTON	CA
2	CIRSIIUM CILIOLATUM	ASTERACEAE	THISTLE, ASHLAND	CA OR
2	CIRSIIUM CLOKEYI	ASTERACEAE	THISTLE, CLOKEY'S	NV
2	CIRSIIUM CRASSICAULE	ASTERACEAE	THISTLE, SLOUGH	CA
3C	CIRSIIUM DAVISII	ASTERACEAE		ID
2	CIRSIIUM FONTINALE VAR. FONTINALE	ASTERACEAE	THISTLE, FOUNTAIN	CA
2	CIRSIIUM FONTINALE VAR. OBISPOENSE	ASTERACEAE	THISTLE, BOB, CHORRO CREEK	CA
3C	CIRSIIUM HALLII	ASTERACEAE		CA NV OR UT
2	CIRSIIUM HILLII	ASTERACEAE		IA IL IN MI MN OH PA-WI, Canada (Ontario)
1	CIRSIIUM HYDROPHILUM VAR. HYDROPHILUM	ASTERACEAE	THISTLE, SUISUM	CA
2	CIRSIIUM HYDROPHILUM VAR. VASEYI	ASTERACEAE	THISTLE, MT. TAMALPAIS	CA
2	CIRSIIUM LONCHOLEPIS	ASTERACEAE	THISTLE, LA GRACIOSA	CA
2	CIRSIIUM OCCIDENTALE VAR. COMPACTUM	ASTERACEAE	THISTLE, COBWEB, COMPACT	CA
2	CIRSIIUM OWNBEYI	ASTERACEAE	THISTLE, OWNBEY'S	UT
1	CIRSIIUM PITCHERI	ASTERACEAE	THISTLE, DUNE	IL IN MI WI, Canada
2	CIRSIIUM RHOTOPHILUM	ASTERACEAE	THISTLE, SURF	CA
3C	CIRSIIUM RYDBERGII	ASTERACEAE		AZ UT
3C	CIRSIIUM TURNERI	ASTERACEAE		TX

STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
PT	CIRSIIUM VINACEUM	ASTERACEAE		NI
2	CIRSIIUM VIRGINENSIS	ASTERACEAE		AZ UT
1	CLADOCARPA ATOLLENSIS	CUCURBITACEAE		HI
1	CLADOCARPA CAUMII	CUCURBITACEAE		HI
1	CLADOCARPA LAMUREUXII	CUCURBITACEAE		HI
1	CLADOCARPA MAXIMOWICZII	CUCURBITACEAE		HI
1	CLADOCARPA NIHAUENSIS	CUCURBITACEAE	PUA O KAMA	HI
1	CLADOCARPA SEMITONSUS	CUCURBITACEAE		HI
3C	CLADRASTIS KENTUCKEA	FABACEAE		AL AR GA IL IN KY MS MO NC OK SC TN
5	CLADRASTIS LUTEA	*** SEE ***	CLADRASTIS KENTUCKEA	
2	CLADOXYLON SANDWICENSE VAR. SANDWICENSE	EUPHORBIACEAE	POOLA	HI
3C	CLARKIA AMOENA SSP. WHITNEYI	ONAGRACEAE		CA
3B	CLARKIA AMOENA VAR. PACIFICA	ONAGRACEAE		OR WA
3C	CLARKIA AUSTRALIS	ONAGRACEAE		CA
3C	CLARKIA BILOBA SSP. AUSTRALIS	ONAGRACEAE		CA
2	CLARKIA BOREALIS SSP. ARIDA	ONAGRACEAE		CA
2	CLARKIA CALIENTENSIS	ONAGRACEAE		CA
1	CLARKIA FRANCISCANA	ONAGRACEAE	CLARKIA, PRESIDIO	CA
1	CLARKIA IMBRICATA	ONAGRACEAE		CA
1	CLARKIA LINGULATA	ONAGRACEAE	CLARKIA, MERCED	CA
2	CLARKIA MOSQUINII SSP. MOSQUINII	ONAGRACEAE		CA
3A	CLARKIA MOSQUINII SSP. XEROPHILA	ONAGRACEAE		CA
2	CLARKIA ROSTRATA	ONAGRACEAE	CLARKIA, BEAKED	CA
2	CLARKIA SPECIOSA SSP. IMMACULATA	ONAGRACEAE	CLARKIA, SAN LUIS OBISPO	CA
2	CLARKIA SPRINGVILLENSIS	ONAGRACEAE	CLARKIA, SPRINGVILLE	CA
3C	CLAYTONIA BELLIDIFOLIA	PORTULACACEAE		CA OR
5	CLAYTONIA BOSTOCKII	*** SEE ***	MONTIA BOSTOCKII	
5	CLAYTONIA FLAVA	*** SEE ***	CLAYTONIA LANCEOLATA VAR. FLAVA	
3B	CLAYTONIA LANCEOLATA VAR. CHRYSANTHA	PORTULACACEAE		WA
2	CLAYTONIA LANCEOLATA VAR. FLAVA	PORTULACACEAE		ID MT
1	CLAYTONIA LANCEOLATA VAR. PEIRSONII	PORTULACACEAE	SPRING BEAUTY, PEIRSON'S	CA
3C	CLAYTONIA MEGARRHIZA VAR. NIVALIS	PORTULACACEAE		WA
3C	CLEMATIS ADDISONII	RANUNCULACEAE	VIRGIN'S BOWER, ADDISON'S	VA
3C	CLEMATIS ALBICORA	RANUNCULACEAE	LEATHERFLOWER, WHITE-HAIRED	VA WV
3B	CLEMATIS GATTINGERI	RANUNCULACEAE	VIRGIN'S BOWER,	AL TN
2	CLEMATIS HIRSUTISSIMA VAR. ARIZONICA	RANUNCULACEAE		AZ
3B	CLEMATIS MICRANTHA	RANUNCULACEAE	OLD MAN'S BEARD	FL
3C	CLEMATIS OCCIDENTALIS VAR. DISSECTA	RANUNCULACEAE		WA
1	CLEMATIS SOCIALIS	RANUNCULACEAE		AL
2	CLEMATIS VITICLAULIS	RANUNCULACEAE	LEATHERFLOWER, MILLBORO	VA
2	CLEOME MULTICAULIS	CAPPARACEAE		AZ CO NM TX WY, Mexico
5	CLEOME SANDWICENSIS	*** SEE ***	CLEOME SPINDSA SSP. NOV. /INED.	
1	CLEOME SPINDSA SSP. NOV. /INED.	CAPPARACEAE	SPIDERFLOWER, WILD	HI
3B	CLEOMELLA MONTROSAE	CAPPARACEAE		CO
1	CLERMONTIA DREPANOMORPHA	CAMPANULACEAE	CLERMONTIA, KOHALA	HI
3A	CLERMONTIA HALEAKALENSIS	CAMPANULACEAE		HI
3C	CLERMONTIA HAWAIIENSIS VAR. HAWAIIENSIS	CAMPANULACEAE		HI
3A	CLERMONTIA KONAENSIS	CAMPANULACEAE		HI
1	CLERMONTIA LINDSEYANA	CAMPANULACEAE		HI
1	CLERMONTIA LOYANA	CAMPANULACEAE		HI
1	CLERMONTIA MUNROI	CAMPANULACEAE		HI
3C	CLERMONTIA PELEANA	CAMPANULACEAE		HI
1	CLERMONTIA PYRULARIA	CAMPANULACEAE		HI
1	CLITORIA FRAGRANS	FABACEAE		FL
3C	CLUSTIA FLAVA	HYFFRICACEAE		West Indies
2	COCCULUS INTEGER	MENISPERMACEAE		HI
2	COCCULUS LONCHOPHYLLUS	MENISPERMACEAE		HI
2	COCCULUS VIRGATUS	MENISPERMACEAE		HI
5	COCHISEIA ROBBINSORUM	*** SEE ***	CORYPHANTHA ROBBINSORUM	
2	COELORACHIS TUBERCULOSA	POACEAE		AL FL
2	COLLINSIA ANTONINA	SCROPHULARIACEAE		CA
3C	COLLOMIA LARSENII	POLEMONIACEAE		CA OR WA
2	COLLOMIA MACROCALYX	POLEMONIACEAE	COLLOMIA, BRISTLE-FLOWERED	OR
2	COLLOMIA MAZAMA	POLEMONIACEAE		OR
1	COLLOMIA RAWSONIANA	POLEMONIACEAE	TRUMPET, FLAMING	CA
5	COLORADOA MESAE-VERDAE	*** SEE ***	SCLEROCACTUS MESAE-VERDAE	
3C	COLUBRINA CALIFORNICA	RHAMNACEAE		AZ CA
1	COLUBRINA OPPOSITIFOLIA	RHAMNACEAE	KAUILA	HI
2	COLUBRINA STRICTA	RHAMNACEAE	SLAKEWOOD, COMAL	TX, Mexico
1	COMMELINA SIGAS	COMMELINACEAE	DAYFLOWER, CLIMBING	FL
2	CONDALIA HOOKERI VAR. EDWARDSIANA	RHAMNACEAE	BRASIL, EDWARDS'	TX
2	CONRADINA BREVIFOLIA	LAMIACEAE	ROSEMARY, SHORT-LEAVED	FL
2	CONRADINA GLABRA	LAMIACEAE	ROSEMARY, APALACHICOLA	FL
2	CONRADINA GRANDIFLORA	LAMIACEAE		FL
1	CONRADINA VERTICILLATA	LAMIACEAE		KY TN
5	CONYZA ERIOPHYLLA	*** SEE ***	ERIGERON ERIOPHYLLUS	
1	COPROSMA FAUREI VAR. LANAIENSIS	RUBIACEAE		HI
1	COPROSMA MONTANA VAR. ORBICULARIS	RUBIACEAE		HI
1	COPROSMA OCHRACEA VAR. KAALAE	RUBIACEAE		HI
3C	COPROSMA PUBENS VAR. SESSILIFLORA	RUBIACEAE		HI
1	COPROSMA BERRATA	RUBIACEAE		HI
2	CORDIA BELLOUIS	BORAGINACEAE		PR



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	CORDIA RUPICOLA	BORAGINACEAE		PR, British V.I.
1	CORDIA WAGNERORUM	BORAGINACEAE		PR
5	CORDYLANTHUS BRUNNEUS VAR. CAPILLARIS	*** SEE ***	CORDYLANTHUS TENUIS SSP. CAPILLARIS /INED.	
2	CORDYLANTHUS EREMICUS SSP. BERNARDINUS /INED.	SCROPHULARIACEAE	BIRD'S-BEAK, SAN BERNARDINO	CA
2	CORDYLANTHUS EREMICUS SSP. EREMICUS	SCROPHULARIACEAE	BIRD'S-BEAK, DESERT	CA
5	CORDYLANTHUS LITTORALIS	*** SEE ***	CORDYLANTHUS RIGIDUS SSP. LITTORALIS /INED.	
LE	CORDYLANTHUS MARITIMUS SSP. MARITIMUS	SCROPHULARIACEAE	BIRD'S-BEAK, SALT MARSH	CA, Mexico (Baja California)
2	CORDYLANTHUS MARITIMUS SSP. PALUSTRIS	SCROPHULARIACEAE	BIRD'S-BEAK, NORTH COAST	CA DR
2	CORDYLANTHUS MOLLIS SSP. HISPIDUS	SCROPHULARIACEAE	BIRD'S-BEAK, HISPID	CA
1	CORDYLANTHUS MOLLIS SSP. MOLLIS	SCROPHULARIACEAE	BIRD'S-BEAK, SOFT	CA
2	CORDYLANTHUS NIDULARIUS	SCROPHULARIACEAE	BIRDS-ON-NEST	CA
PE	CORDYLANTHUS PALMATUS	SCROPHULARIACEAE	BIRD'S-BEAK, PALMATE-BRACTED	CA
5	CORDYLANTHUS RAMOSUS SSP. EREMICUS	*** SEE ***	CORDYLANTHUS EREMICUS SSP. EREMICUS	
1	CORDYLANTHUS RIGIDUS SSP. LITTORALIS /INED.	SCROPHULARIACEAE	BIRD'S-BEAK, SEASIDE	CA
2	CORDYLANTHUS TECOPENSIS	SCROPHULARIACEAE	BIRD'S-BEAK, TECOPA	CA NV
2	CORDYLANTHUS TENUIS SSP. CAPILLARIS /INED.	SCROPHULARIACEAE	BIRD'S-BEAK, FENNEL	CA
2	CORDYLANTHUS TENUIS SSP. PALLESCENS /INED.	SCROPHULARIACEAE	BIRD'S-BEAK, PALLID	CA
2	COREOPSIS HAMILTONII	ASTERACEAE	COREOPSIS, MT. HAMILTON	CA
3B	COREOPSIS HETEROLEPIS	ASTERACEAE		AR
3C	COREOPSIS INTERMEDIA	ASTERACEAE	TICKSEED, GOLDEN WAVE	LA TX
2	COREOPSIS LATIFOLIA	ASTERACEAE		GA NC SC TN
3C	COREOPSIS PULCHRA	ASTERACEAE		AL
3B	COREOPSIS TRIPTERIS VAR. SUBRHOMBOIDEA	ASTERACEAE		TX
2	CORETHROBYNE FILAGINIFOLIA VAR. LINIFOLIA	ASTERACEAE		CA
1	CORNUTIA OBOVATA	VERBENACEAE	NIGUA	PR
2	CORDALIS AQUAE-BELIDAE	FUMARIACEAE		OR WA
3C	CORDALIS CASEANA SSP. BRACHYCARPA	FUMARIACEAE		UT
3C	CORDALIS CASEANA SSP. CASEANA	FUMARIACEAE		CA
3C	CORDALIS CASEANA SSP. HASTATA	FUMARIACEAE		ID
2	CORYPHANTHA DASYACANTHA VAR. DASYACANTHA	CACTACEAE		TX MEXICO
3C	CORYPHANTHA DASYACANTHA VAR. VARICOLOR	CACTACEAE		TX
3C	CORYPHANTHA DUNCANII	CACTACEAE		NM TX
3C	CORYPHANTHA HESTERI	CACTACEAE		TX
LE	CORYPHANTHA MINIMA	CACTACEAE	CORY CACTUS, NELLIE	TX
2	CORYPHANTHA MISSOURIENSIS VAR. MARSTONII	CACTACEAE		AZ UT
5	CORYPHANTHA NELLIEAE	*** SEE ***	CORYPHANTHA MINIMA	
LT	CORYPHANTHA RAMILLOSA	CACTACEAE	CORY CACTUS, BUNCHED	TX, Mexico (Coahuila)
2	CORYPHANTHA RECURVATA	CACTACEAE		AZ, Mexico
PT	CORYPHANTHA ROBBINSORUM	CACTACEAE	CACTUS, COCHISE PINCUSHION	AZ
1	CORYPHANTHA SCHEERI VAR. ROBUSTISPINA	CACTACEAE		AZ, Mexico
3C	CORYPHANTHA SCHEERI VAR. UNCINATA	CACTACEAE		TX
LT	CORYPHANTHA SNEEDII VAR. LEEI	CACTACEAE	PINCUSHION CACTUS, LEE	NM
LE	CORYPHANTHA SNEEDII VAR. SNEEDII	CACTACEAE	PINCUSHION CACTUS, SNEED	NM TX
2	CORYPHANTHA STROBILIFORMIS VAR. DURISPINA	CACTACEAE		TX, Mexico
2	CORYPHANTHA SULCATA VAR. NICKELSAE	CACTACEAE		CA
2	CORYPHANTHA VIVIPARA VAR. ALVERSONII	CACTACEAE	PINCUSHION CACTUS, ALVERSON'S	AZ
3B	CORYPHANTHA VIVIPARA VAR. BUOFLAMA	CACTACEAE		AZ
3C	CORYPHANTHA VIVIPARA VAR. ROSEA	CACTACEAE		AZ CA NV UT
3C	COURSETIA AXILLARIS	FABACEAE		TX, Mexico
LE	COWANIA SUBINTEGRA	ROSACEAE	CLIFF-ROSE, ARIZONA	AZ
2	CRATAEGUS BERBERIFOLIA	ROSACEAE		LA TX
2	CRATAEGUS HARBISONII	ROSACEAE	HAW.	AL GA TN
3B	CRATAEGUS STENOSEPALA	ROSACEAE		TX
3B	CRATAEGUS SUTHERLANDENSIS	ROSACEAE		TX
2	CRATAEGUS WARNERI	ROSACEAE		TX
1	CRESCENTIA PORTORICENSIS	BIGNONIACEAE	HIGUERO DE SIERRA	PR
2	CROOKIA PAUCIFLORA	STEMONACEAE	CROOKIA	AL FL GA LA
3C	CROSSOSOMA CALIFORNICUM	CROSSOSOMATACEAE		CA, Mexico (Baja California)
3C	CROSSOSOMA PARVIFLORUM	CROSSOSOMATACEAE		AZ
2	CROTON ALABAMENSIS	EUPHORBIACEAE		AL TN
2	CROTON ELLIOTTII	EUPHORBIACEAE		AL FL GA SC
3B	CROTON GLANDULOSUS VAR. SIMPSONII	EUPHORBIACEAE		FL
2	CROTON IMPRESSUS	EUPHORBIACEAE		PR, Hispaniola
2	CROTON NUMMULARIFOLIUS	EUPHORBIACEAE		PR, Cuba, Hispaniola
3C	CROTON WIGGINSII	EUPHORBIACEAE		AZ CA, Mexico (Baja California, Sonora)
2	* CRYPTANTHA APERTA	BORAGINACEAE	CATSEYE,	CO
3C	CRYPTANTHA ATWOODII	BORAGINACEAE	CATSEYE, ATWOOD'S	AZ
1	CRYPTANTHA BARNEBYI	BORAGINACEAE	CATSEYE, BARNEBY	UT
3C	CRYPTANTHA BREVIFLORA	BORAGINACEAE	CATSEYE,	ID UT
2	CRYPTANTHA COMPACTA	BORAGINACEAE	CATSEYE, COMPACT	UT
2	CRYPTANTHA CRASSIPES	BORAGINACEAE		TX
2	CRYPTANTHA CREUTIFELDTII	BORAGINACEAE		UT

STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	CRYPTANTHA CRINITA	BORAGINACEAE	CRYPTANTHA, SILKY	CA
3C	CRYPTANTHA CRYMOPHILA	BORAGINACEAE		CA
3C	CRYPTANTHA ELATA	BORAGINACEAE	CATSEYE, CLIFFDWELLER'S CANDLESTICK	CO UT
2	CRYPTANTHA SANDERII	BORAGINACEAE	CRYPTANTHA, SANDER'S	CA, Mexico
3C	CRYPTANTHA GRAHAMII	BORAGINACEAE	CATSEYE, GRAHAM	UT
2	CRYPTANTHA HOFFMANNII	BORAGINACEAE		CA NV
3C	CRYPTANTHA HYPHOPHILA	BORAGINACEAE		CA ID OR
2	CRYPTANTHA INSULITA	BORAGINACEAE	CATSEYE,	NV
3C	CRYPTANTHA INTERRUPTA	BORAGINACEAE		ID MT NV OR, Canada (B.C.)
3C	CRYPTANTHA JOHNSTONII	BORAGINACEAE	CATSEYE, JOHNSTON	UT
3C	CRYPTANTHA JONESIANA	BORAGINACEAE	CATSEYE, JONES	UT
3C	CRYPTANTHA MENSANA	BORAGINACEAE		UT
5	CRYPTANTHA NUBIGENA	*** SEE ***	CRYPTANTHA HYPHOPHILA	
2	CRYPTANTHA OCHROLEUCA	BORAGINACEAE	CATSEYE, YELLOW-WHITE	UT
3C	CRYPTANTHA PARADOXA	BORAGINACEAE		CO NM UT
2	CRYPTANTHA ROOSIORUM	BORAGINACEAE	CATSEYE, BRISTLE-CONE	CA
3C	CRYPTANTHA SEMIGLABRA	BORAGINACEAE	CATSEYE,	AZ
2	CRYPTANTHA SHACKLETTEANA	BORAGINACEAE	CATSEYE,	AK
3C	CRYPTANTHA SOBOLIFERA	BORAGINACEAE	CATSEYE,	MT
3C	CRYPTANTHA STRICTA	BORAGINACEAE	CATSEYE,	CO UT WY
2	CRYPTANTHA SUBCAPITATA	BORAGINACEAE		WY
3C	CRYPTANTHA THOMPSONII	BORAGINACEAE		OR WA
2	CRYPTANTHA TRASKIAE	BORAGINACEAE		CA
3C	CRYPTANTHA TUMULOSA	BORAGINACEAE		CA NV
3C	CRYPTANTHA WEBERII	BORAGINACEAE	CATSEYE, WEBER'S	CO
1	CRYPTOCARYA OAHUENSIS	LAURACEAE		HI
1	CTENITIS SOUANGIERA	POLYPODIACEAE		HI
3C	CTENIUM FLORIDANUM	POACEAE		FL GA
2	CUCURBITA OKEECHOBEEENSIS	CUCURBITACEAE	GOURD, OKEECHOBEE	FL
3C	CUCURBITA TEXANA	CUCURBITACEAE		TX
2	CUPHEA ASPERA	LYTHRACEAE		FL
PE	CUPRESSUS ABRAMSIANA	CUPRESSACEAE	CYPRESS, SANTA CRUZ	CA
5	CUPRESSUS ARIZONICA VAR. NEVADENSIS	*** SEE ***	CUPRESSUS NEVADENSIS	
5	CUPRESSUS ARIZONICA VAR. STEPHENSONII	*** SEE ***	CUPRESSUS STEPHENSONII	
2	CUPRESSUS GOVENIANA	CUPRESSACEAE	CYPRESS, SOWEN	CA
5	CUPRESSUS GOVENIANA VAR. ABRAMSIANA	*** SEE ***	CUPRESSUS ABRAMSIANA	
2	CUPRESSUS MACROCARPA	CUPRESSACEAE	CYPRESS, MONTEREY	CA
3C	CUPRESSUS NEVADENSIS	CUPRESSACEAE		CA
1	CUPRESSUS STEPHENSONII	CUPRESSACEAE	CYPRESS, CUYANACA	CA
1	CUSCUTA ATTENUATA	CUSCUTACEAE	DODDER,	OK
3C	CUSCUTA HARPERI	CUSCUTACEAE		AL GA
3C	CUSCUTA HOWELLIANA	CUSCUTACEAE	DODDER, BOGG'S LAKE	CA
2	CUSCUTA WARNERI	CUSCUTACEAE	DODDER, WARNER'S	UT
1	CYANEA ANGUSTIFOLIA VAR. LANAIENSIS	CAMPANULACEAE		HI
3C	CYANEA ANGUSTIFOLIA VAR. RACEMOSA	CAMPANULACEAE		HI
1	CYANEA ARBOREA	CAMPANULACEAE		HI
5	CYANEA ARBOREA VAR. PYCNOCARPA	*** SEE ***	CYANEA PYCNOCARPA	
1	CYANEA ASPLENIIFOLIA	CAMPANULACEAE		HI
1	CYANEA BALDWINII	CAMPANULACEAE	CYANEA, BALDWIN	HI
1	CYANEA BRYANII	CAMPANULACEAE	CYANEA, BRYAN	HI
1	CYANEA CARLSONII	CAMPANULACEAE		HI
1	CYANEA CHOCKII	CAMPANULACEAE		HI
3A	CYANEA COMATA	CAMPANULACEAE		HI
1	CYANEA FERNALDII	CAMPANULACEAE		HI
1	CYANEA BIGBONII	CAMPANULACEAE		HI
1	CYANEA GIFFARDII	CAMPANULACEAE		HI
3C	CYANEA GRIMESIANA VAR. GRIMESIANA	CAMPANULACEAE		HI
2	CYANEA GRIMESIANA VAR. HIRSUTIFOLIA	CAMPANULACEAE		HI
1	CYANEA GRIMESIANA VAR. LYDGATEI	CAMPANULACEAE		HI
1	CYANEA GRIMESIANA VAR. MAUIENSIS	CAMPANULACEAE		HI
1	CYANEA GRIMESIANA VAR. MUNROI	CAMPANULACEAE		HI
2	CYANEA KUNTHIANA	CAMPANULACEAE		HI
1	CYANEA LEPTOSTEGIA	CAMPANULACEAE	CYANEA, GIANT KOKE'E	HI
5	CYANEA LINDSEYANA	*** SEE ***	CLERMONTIA LINDSEYANA	
1	CYANEA LINEARIFOLIA	CAMPANULACEAE		HI
1	CYANEA MARKSII	CAMPANULACEAE		HI
1	CYANEA MCELDOONEYI	CAMPANULACEAE		HI
2	CYANEA NELSONII	CAMPANULACEAE		HI
5	CYANEA PINNATIFIDA	*** SEE ***	ROLLANDIA PINNATIFIDA	
1	CYANEA PLATYPHYLLA	CAMPANULACEAE		HI
1	CYANEA PYCNOCARPA	CAMPANULACEAE		HI
1	CYANEA RESINA	CAMPANULACEAE		HI
5	CYANEA RIVULARIS	*** SEE ***	DELISSEA RIVULARIS	
1	CYANEA ROLLANDIODES	CAMPANULACEAE		HI
2	CYANEA SCABRA	CAMPANULACEAE		HI
1	CYANEA SHIPMANII	CAMPANULACEAE		HI
1	CYANEA SOLANACEA	CAMPANULACEAE	POPOLO	HI
1	CYANEA SDOLENCALYX	CAMPANULACEAE	CYANEA, MOLOKAI	HI
1	CYANEA STICTOPHYLLA	CAMPANULACEAE		HI
1	CYANEA SUBMURICATA	CAMPANULACEAE		HI
1	CYANEA SUPERBA	CAMPANULACEAE		HI
1	CYANEA TRITOMANTHA	CAMPANULACEAE	AKU 'AKU	HI



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
S	CYATHEA BROOKSII	*** SEE ***	ALSOPHILA BROOKSII	
S	CYATHEA DRYOPTEROIDES	*** SEE ***	ALSOPHILA DRYOPTEROIDES	
PE	CYCLADENIA HUMILIS VAR. JONESII	APOCYNACEAE	CYCLADENIA, JONES	UT
S	CYCLODON ALABAMENSIS	*** SEE ***	MATELEA ALABAMENSIS	
3C	CYMOPTERYLLUS FRASERI	CYPERACEAE		KY MO NC PA SC TN VA WV
3C	CYMOPTERUS BASAL TICUS	APIACEAE		NV UT
2	CYMOPTERUS BECKII	APIACEAE		UT
3C	CYMOPTERUS CORRUGATUS	APIACEAE		ID NV OR
3C	CYMOPTERUS COULTERI	APIACEAE	BISCUITROOT, COULTER	UT
2	CYMOPTERUS DESERTICOLA	APIACEAE	CYMOPTERUS, DESERT	CA
3C	CYMOPTERUS DUCHESNENSIS	APIACEAE	BISCUITROOT, DUCHESNE	CO UT
2	CYMOPTERUS GOODRICHII	APIACEAE		NV
2	CYMOPTERUS HIGGINSII	APIACEAE	BISCUITROOT, HIGGINS	UT
3C	CYMOPTERUS IBAPENSIS	APIACEAE		ID
2	CYMOPTERUS MINIMUS	APIACEAE	BISCUITROOT, CEDAR BREAKS	UT
3C	CYMOPTERUS NEWBERYI	APIACEAE		AI UT
2	CYMOPTERUS NIVALIS	APIACEAE		NV
2	CYMOPTERUS RIPLEYI VAR. SANICULOIDES	APIACEAE		NV
3C	CYMOPTERUS ROSEI	APIACEAE		UT
2	CYMOPTERUS SP. NOV. /INED.	APIACEAE		WY
S	CYMOPTERUS SP. NOV. /INED. (CUSTER CO.)	*** SEE ***	CYMOPTERUS IBAPENSIS	ID
2	CYMOPTERUS SP. NOV. /INED. (CUSTER, LEMHI COS.)	APIACEAE		ID
2	CYNANCHUM MONENSE	ASCLEPIADACEAE		FR
2	CYNANCHUM WIGGINSII	ASCLEPIADACEAE		AZ
3C	CYPERUS GRANITOPHILUS	CYPERACEAE		AL GA NC SC
2	CYPERUS GRAYIIDIDES	CYPERACEAE	SEDGE, UMBRELLA,	IL
2	CYPERUS ONEROSUS	CYPERACEAE		TX
1	CYPERUS PENNATIFORMIS VAR. BRYANII	CYPERACEAE		HI
S	CYPERUS URBANII	*** SEE ***	MARISCUS URBANII	
3C	CYPRIPEDIUM ARIETINUM	ORCHIDACEAE	LADY'S-SLIPPER, RAM'S-HEAD	CT ME MA MI MN NH NY VT WI
3C	CYPRIPEDIUM CALIFORNICUM	ORCHIDACEAE	LADY'S-SLIPPER, CALIFORNIA	CA OR
3C	CYPRIPEDIUM CANDIDUM	ORCHIDACEAE	LADY'S-SLIPPER, SMALL WHITE	IL IN IA KY MI MN MO NE NJ NY ND OH PA SD WI
3C	CYPRIPEDIUM FASCICULATUM	ORCHIDACEAE		CA CO ID MT OR UT WA WY, Canada
2	CYPRIPEDIUM KENTUCKIENSE	ORCHIDACEAE		AL AR KY LA MS TN
3C	CYPRIPEDIUM MONTANUM	ORCHIDACEAE		AK CA MT OR WA WY, Canada (Alta., B.C.)
1	CYRTANDRA ALATA	GESNERIACEAE		HI
1	CYRTANDRA ALNEA	GESNERIACEAE		HI
1	CYRTANDRA AMBIGUA	GESNERIACEAE		HI
1	CYRTANDRA AXILLIFLORA	GESNERIACEAE		HI
1	CYRTANDRA BASIPARTITA	GESNERIACEAE		HI
3A	CYRTANDRA BEGONIIFOLIA	GESNERIACEAE	ILIHIA	HI
2	CYRTANDRA BISERRATA	GESNERIACEAE		HI
1	CYRTANDRA BREVICORNUTA	GESNERIACEAE		HI
1	CYRTANDRA BRYANII	GESNERIACEAE		HI
1	CYRTANDRA CAMPANIFORMIS	GESNERIACEAE		HI
1	CYRTANDRA CARINATA	GESNERIACEAE		HI
1	CYRTANDRA CAUDATISEPALA	GESNERIACEAE		HI
1	CYRTANDRA CHARTACEA	GESNERIACEAE		HI
1	CYRTANDRA CHRISTOPHERSENII	GESNERIACEAE		HI
1	CYRTANDRA COLLARIFERA	GESNERIACEAE		HI
2	CYRTANDRA CONRADTII	GESNERIACEAE		HI
1	CYRTANDRA CORDIFOLIA VAR. BREVIPILITA	GESNERIACEAE		HI
2	CYRTANDRA CORDIFOLIA VAR. GYNOLABRA	GESNERIACEAE		HI
1	CYRTANDRA CRASSIOR	GESNERIACEAE		HI
1	CYRTANDRA CRENATA	GESNERIACEAE		HI
1	CYRTANDRA CUPULIFORMIS	GESNERIACEAE		HI
1	CYRTANDRA DENTATA	GESNERIACEAE		HI
1	CYRTANDRA ELLIPTICIFOLIA	GESNERIACEAE		HI
1	CYRTANDRA ELLIPTISEPALA	GESNERIACEAE		HI
1	CYRTANDRA FERRICOLORATA	GESNERIACEAE		HI
1	CYRTANDRA FERRUGINOSA	GESNERIACEAE		HI
2	CYRTANDRA FILIPES	GESNERIACEAE		HI
1	CYRTANDRA FORDESII	GESNERIACEAE		HI
1	CYRTANDRA FOSBERGII	GESNERIACEAE		HI
1	CYRTANDRA FREDERICKII	GESNERIACEAE		HI
1	CYRTANDRA FUSIFORMIS	GESNERIACEAE		HI
1	CYRTANDRA GARBERI	GESNERIACEAE		HI
2	CYRTANDRA GEORGIANA	GESNERIACEAE		HI
2	CYRTANDRA GIFFARDII	GESNERIACEAE		HI
2	CYRTANDRA GLAUCA	GESNERIACEAE		HI
3A	CYRTANDRA GRACILIS	GESNERIACEAE		HI
2	CYRTANDRA GRAYANA VAR. LANAIENSIS	GESNERIACEAE		HI
3A	CYRTANDRA GROSSECRENATA	GESNERIACEAE		HI
2	CYRTANDRA HALAWENSIS	GESNERIACEAE		HI
2	CYRTANDRA HAWAIIENSIS	GESNERIACEAE		HI
2	CYRTANDRA HIRSUTULA	GESNERIACEAE		HI
1	CYRTANDRA HOB DYI	GESNERIACEAE		HI
3A	CYRTANDRA HONOLULENSIS	GESNERIACEAE		HI

STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	CYRTANDRA HOSAKAE	GESNERIACEAE		HI
1	CYRTANDRA INFRAPALLIDA	GESNERIACEAE		HI
1	CYRTANDRA INTONSA	GESNERIACEAE		HI
2	CYRTANDRA INTRAPILLOSA	GESNERIACEAE		HI
2	CYRTANDRA INTRAVILLOSA	GESNERIACEAE		HI
1	CYRTANDRA KAALAE	GESNERIACEAE		HI
1	CYRTANDRA KAHANENSIS	GESNERIACEAE		HI
1	CYRTANDRA KAHUKUENSIS	GESNERIACEAE		HI
1	CYRTANDRA KALUANUIENSIS	GESNERIACEAE		HI
1	CYRTANDRA KANEHEENSIS	GESNERIACEAE		HI
1	* CYRTANDRA KAUAIEENSIS	GESNERIACEAE	ULUNAHELE	HI
2	CYRTANDRA KAULANTHA	GESNERIACEAE		HI
1	CYRTANDRA KODLAUENSIS	GESNERIACEAE		HI
1	* CYRTANDRA LAEVIS	GESNERIACEAE		HI
3A	CYRTANDRA LAXIFLORA	GESNERIACEAE		HI
3A	CYRTANDRA LESSONIANA VAR. ANGUSTIFOLIA	GESNERIACEAE		HI
1	CYRTANDRA LESSONIANA VAR. INTRAPUBENS	GESNERIACEAE		HI
2	CYRTANDRA LINDSIFLORA	GESNERIACEAE		HI
3A	CYRTANDRA LINEARIS	GESNERIACEAE		HI
2	CYRTANDRA LONGICALYX	GESNERIACEAE		HI
1	* CYRTANDRA LONGIFOLIA VAR. LONGIFOLIA	GESNERIACEAE		HI
3A	CYRTANDRA LONGIFOLIA VAR. PARALLELA	GESNERIACEAE		HI
1	CYRTANDRA LONGILOBA	GESNERIACEAE		HI
2	CYRTANDRA LYSIOSEPALA VAR. GRAYI	GESNERIACEAE		HI
2	CYRTANDRA LYSIOSEPALA VAR. HALEAKALENSIS	GESNERIACEAE		HI
2	CYRTANDRA LYSIOSEPALA VAR. LYSIOSEPALA	GESNERIACEAE		HI
2	CYRTANDRA MACRANTHA	GESNERIACEAE		HI
2	CYRTANDRA MALACOPHYLLA VAR. MALACOPHYLLA	GESNERIACEAE		HI
1	* CYRTANDRA MANHII	GESNERIACEAE		HI
1	CYRTANDRA MEGASTIGMATA	GESNERIACEAE		HI
1	CYRTANDRA MENZIESII	GESNERIACEAE	HA'I WALE	HI
2	CYRTANDRA MUNROI	GESNERIACEAE		HI
1	CYRTANDRA NIUENSIS	GESNERIACEAE		HI
1	CYRTANDRA NUBIHCOLENS	GESNERIACEAE		HI
2	CYRTANDRA OENOBARBA	GESNERIACEAE		HI
1	CYRTANDRA OLIVACEA	GESNERIACEAE		HI
1	CYRTANDRA PALOEDENSIS	GESNERIACEAE		HI
2	CYRTANDRA PALUDOSA VAR. MAUPUENSIS	GESNERIACEAE		HI
1	* CYRTANDRA PARTITA	GESNERIACEAE		HI
1	CYRTANDRA PEARSELLII	GESNERIACEAE		HI
1	CYRTANDRA PERSTAMINODICA	GESNERIACEAE		HI
1	* CYRTANDRA PICKERINGII	GESNERIACEAE		HI
1	* CYRTANDRA PILIGYNA	GESNERIACEAE		HI
2	CYRTANDRA PLATYPHYLLA VAR. HILOENSIS	GESNERIACEAE		HI
1	CYRTANDRA PLURIFOLIA	GESNERIACEAE		HI
1	CYRTANDRA POLYANTHA	GESNERIACEAE		HI
1	CYRTANDRA PRUINOSA	GESNERIACEAE		HI
1	CYRTANDRA PUBENS	GESNERIACEAE		HI
2	CYRTANDRA RAMOSISSIMA	GESNERIACEAE		HI
1	CYRTANDRA ROCKII	GESNERIACEAE		HI
1	CYRTANDRA SANDWICENSIS	GESNERIACEAE		HI
3A	CYRTANDRA SCABRELLA	GESNERIACEAE		HI
1	* CYRTANDRA SKOTTSBERGII	GESNERIACEAE		HI
1	CYRTANDRA SUBCORDATA	GESNERIACEAE		HI
3A	CYRTANDRA SUBINTESRA	GESNERIACEAE		HI
1	CYRTANDRA SUBRECTA	GESNERIACEAE		HI
1	CYRTANDRA SUBUMBELLATA VAR. INTOSA	GESNERIACEAE		HI
1	CYRTANDRA TERNATA	GESNERIACEAE		HI
3A	CYRTANDRA TRIFLORA	GESNERIACEAE		HI
1	CYRTANDRA TURBINIFORMIS	GESNERIACEAE		HI
1	* CYRTANDRA VANIOTA	GESNERIACEAE		HI
1	CYRTANDRA VILLICALYX VAR. PUBENTIGYNA	GESNERIACEAE		HI
1	CYRTANDRA VILLOSA	GESNERIACEAE		HI
1	CYRTANDRA VILLOSIFLORA	GESNERIACEAE		HI
1	* CYRTANDRA WAIAUENSIS	GESNERIACEAE		HI
1	* CYRTANDRA WAIOLANI	GESNERIACEAE		HI
1	CYRTANDRA WAIOHADENSIS	GESNERIACEAE		HI
5	DALEA ARBORESCENS	*** SEE ***	PSOROTHAMNUS ARBORESCENS	HI
2	DALEA BARTONII	FABACEAE		TX
2	DALEA EPICA	FABACEAE	PRAIRIE-CLOVER, HOLE-IN-THE-ROCK	UT
2	DALEA FOLIOSA	FABACEAE	PRAIRIE-CLOVER,	AL IL TN
3C	DALEA GATTINGERI	FABACEAE		AL GA TN
5	DALEA KINGII	*** SEE ***	PSOROTHAMNUS KINGII	HI
2	DALEA REVERCHONII	FABACEAE	PRAIRIE-CLOVER, COMANCHE-PEAK	TX
2	DALEA SABINALIS	FABACEAE	PRAIRIE-CLOVER, SABINAL	TX
3C	DALEA SCARIOGA	FABACEAE	PRAIRIE-CLOVER,	NM
1	DALEA TENTACULOIDES	FABACEAE	INDIGOBUSH, GENTRY'S	AZ
5	DALEA THOMPSONAE	*** SEE ***	PSOROTHAMNUS THOMPSONAE	HI
1	DAPHNOPSIS HELLERANA	THYMELAEACEAE		PR
3C	DARLINGTONIA CALIFORNICA	SARRACENIACEAE	PITCHERPLANT, CALIFORNIA	CA OR
3C	DASYNOTUS DAUBENMIREI	BORAGINACEAE		ID
2	DEDECKERA EUREKENSIS	POLYGONACEAE	JULY GOLD	CA
1	DEERINGOTHAMNUS PULCHELLUS	ANNONACEAE	SQUIRREL-BANANA, WHITE	FL



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
1	DEERINGOTHARNUS RUGELII	ANNONACEAE	SQUIRREL-BANANA, YELLOW	FL
1	* DELISSEA FALLAX	CAMPANULACEAE		HI
1	* DELISSEA LACINIATA	CAMPANULACEAE		HI
1	* DELISSEA MIIHAUENSIS	CAMPANULACEAE		HI
1	* DELISSEA PARVIFLORA	CAMPANULACEAE		HI
1	DELISSEA RHYTIDOSPERMA	CAMPANULACEAE		HI
2	DELISSEA RIVULARIS	CAMPANULACEAE		HI
1	* DELISSEA SINUATA	CAMPANULACEAE		HI
3C	DELISSEA SUBCORDATA VAR. OBTUSIFOLIA	CAMPANULACEAE		HI
3C	DELISSEA SUBCORDATA VAR. SUBCORDATA	CAMPANULACEAE		HI
1	* DELISSEA UNDULATA	CAMPANULACEAE		HI
3C	DELPHINIUM ALABAMICUM	RANUNCULACEAE		AL
2	DELPHINIUM BAKERI	RANUNCULACEAE	LARKSPUR, BAKER'S	CA
2	DELPHINIUM CALIFORNICUM SSP. INTERIUS	RANUNCULACEAE		CA
2	DELPHINIUM HESPERIUM SSP. CUYAMACAE	RANUNCULACEAE	LARKSPUR, CUYAMACA	CA
2	DELPHINIUM HUTCHINSONAE	RANUNCULACEAE	DELPHINIUM, HUTCHINSON'S	CA
2	DELPHINIUM INDIANUM	RANUNCULACEAE		CA
LE	DELPHINIUM KINKIENSE	RANUNCULACEAE	LARKSPUR, SAN CLEMENTE ISLAND	CA
2	DELPHINIUM LEUCOPHAEUM	RANUNCULACEAE		OR
2	DELPHINIUM LUTEUM	RANUNCULACEAE	LARKSPUR, YELLOW	CA
3C	DELPHINIUM MULTIFLORUM	RANUNCULACEAE	LARKSPUR,	WA
3C	DELPHINIUM NEWTONIANUM	RANUNCULACEAE		AR
3C	DELPHINIUM NUTTALLIANUM VAR. LINEAPETALUM	RANUNCULACEAE	LARKSPUR,	WA
3C	DELPHINIUM PARISHII SSP. PURPUREUM	RANUNCULACEAE		CA
2	DELPHINIUM PAVONACEUM	RANUNCULACEAE		OR
3C	DELPHINIUM TRELESEI	RANUNCULACEAE		AR MO
1	DELPHINIUM VARIEGATUM SSP. THORNEI	RANUNCULACEAE	LARKSPUR, ROYAL, THORNE'S	CA
1	DELPHINIUM VIRIDESCENS	RANUNCULACEAE	LARKSPUR, WENATCHEE	WA
3C	DELPHINIUM XANTHOLEUCUM	RANUNCULACEAE	LARKSPUR, NORTHWESTERN	WA
2	DENDROMECON RIGIDA SSP. RHAMNOIDES	PAPAVACEAE		CA
2	DENDROPEMON SINTENISII	LORANTHACEAE	HICQUILLO (MISTLETOE)	PR
3B	DENTARIA INCISA	BRASSICACEAE		TN
2	DESCURAINIA TORULOSA	BRASSICACEAE		WY
2	DESMANTHUS BICORNUTUS	FABACEAE	BUNDLEFLOWER, RUBY	Mexico
2	DESMODIUM LINDHEIMERI	FABACEAE		TX, Mexico
8	DICENTRA FORMOSA SSP. NEVADENSIS	*** SEE ***	DICENTRA NEVADENSIS	
3C	DICENTRA FORMOSA SSP. OREGANA	FUMARIACEAE	BLEEDINGHEART, PACIFIC	CA OR
3C	DICENTRA NEVADENSIS	FUMARIACEAE	BLEEDINGHEART, NEVADA	CA
3C	DICENTRA OCHROLEUCA	FUMARIACEAE	BLEEDINGHEART, YELLOW	CA
PE	DICERANDRA CORNUTISSIMA	LAMIACEAE	BALM, LONGSPURRED	FL
PE	DICERANDRA FRUTESCENS	LAMIACEAE	BALM, SCRUB	FL
LE	DICERANDRA IMMACULATA	LAMIACEAE		FL
3C	DICERANDRA ODORATISSIMA	LAMIACEAE		FL GA SC
2	DICANTHELIUM LANUGINOSUM VAR. THERMALE	POACEAE	PANIC GRASS, HOT SPRING	CA
3C	DICHELOSTEMMA LACUNA-VERNALIS	LILIACEAE	BRODIAEA, VERNAL POOL	CA
3C	DICHONDRA DONNELLIANA	CONVOLVULACEAE	DICHONDRA, CALIFORNIA	CA
3C	DICHONDRA OCCIDENTALIS	CONVOLVULACEAE		CA
3B	DICLIPTERA KRUGII	ACANTHACEAE		PR
1	DIELLIA ERECTA	POLYPODIACEAE		HI
1	DIELLIA FALCATA	POLYPODIACEAE		HI
1	DIELLIA LACINIATA	POLYPODIACEAE		HI
1	* DIELLIA MANNII	POLYPODIACEAE		HI
1	DIELLIA UNISORA	POLYPODIACEAE		HI
2	DIGITARIA FLORIDANA	POACEAE		FL
2	DIGITARIA GRACILLIMA	POACEAE		FL
2	DIGITARIA PAUCIFLORA	POACEAE	FINGER GRASS,	FL
3C	DIONAEA MUSCIPULA	DROSERACEAE	VENUS' FLY-TRAP	NC SC
2	DIPLACUS ARIDUS	SCROPHULARIACEAE	BUSH MONKEYFLOWER, LOW	CA, Mexico (Baja California)
1	* DIPLAZIUM MOLOKAIENSE	POLYPODIACEAE		HI
1	* DISSANTHELIUM CALIFORNICUM	POACEAE	DISSANTHELIUM, CALIFORNIA	CA, Mexico
3C	DISSOCHONDRIUM BIFLORUM	POACEAE		HI
2	DITAXIS CALIFORNICA	EUPHORBACEAE	DITAXIS, CALIFORNIA	CA
3B	DITAXIS DIVERSIFLORA	EUPHORBACEAE		NV
2	DITHYREA MARITIMA	BRASSICACEAE	SPECTACLE-POD, BEACH	CA
2	DODECATHEDON FRENCHII	PRIMULACEAE	SHOOTINGSTAR, FRENCH'S	AR IL IN KY MO
3C	DODECATHEDON POETICUM	PRIMULACEAE		OR WA
2	DODONAEA ERIOCARPA VAR. CONFERTIOR	SAPINDACEAE		HI
2	DODONAEA ERIOCARPA VAR. COSTULATA	SAPINDACEAE		HI
2	DODONAEA ERIOCARPA VAR. FORBESII	SAPINDACEAE		HI
2	DODONAEA ERIOCARPA VAR. LANAIENSIS	SAPINDACEAE		HI
2	DODONAEA ERIOCARPA VAR. MOLOKAIENSIS	SAPINDACEAE		HI
2	DODONAEA ERIOCARPA VAR. OBLONGA	SAPINDACEAE		HI
2	DODONAEA ERIOCARPA VAR. PALLIDA	SAPINDACEAE		HI
2	DODONAEA ERIOCARPA VAR. SKOTTSBERGII	SAPINDACEAE		HI
2	DODONAEA ERIOCARPA VAR. VARIANS	SAPINDACEAE		HI
2	DODONAEA SANDWICENSIS VAR. LATIFOLIA	SAPINDACEAE		HI
2	DODONAEA SANDWICENSIS VAR. SIMULANS	SAPINDACEAE		HI
2	DODONAEA STENOPTERA VAR. FAURIEI	SAPINDACEAE		HI
1	DODONAEA STENOPTERA VAR. STENOPTERA	SAPINDACEAE		HI
2	DOUGLASSIA IDAHOENSIS	PRIMULACEAE		ID
3C	DOUGLASSIA LAEVIGATA VAR. LAEVIGATA	PRIMULACEAE		OR WA



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
3C	DOUGLASIA NIVALIS VAR. NIVALIS	PRIMULACEAE		WA
2	DOWNINGIA CONCOLOR VAR. BREVIOR	CAMPANULACEAE	DOWNINGIA, CUYAMACA LAKE	CA
3C	DOWNINGIA HUMILIS	CAMPANULACEAE		CA
5	DOWNINGIA FUSILLA	*** SEE ***	DOWNINGIA HUMILIS	
3C	DRABA APICULATA VAR. DAVIESIAE	BRASSICACEAE		MT
2	DRABA AFRICA	BRASSICACEAE		AR GA MO OK SC
3C	DRABA ARGYRAEA	BRASSICACEAE		ID
2	DRABA ARIDA	BRASSICACEAE		NV
3C	DRABA ASPRELLA VAR. ASPRELLA	BRASSICACEAE		AZ
3B	DRABA ASPRELLA VAR. KAIBABENSIS	BRASSICACEAE		AZ
3B	DRABA ASPRELLA VAR. STELLIGERA	BRASSICACEAE		AZ
3C	DRABA ASPRELLA VAR. ZIONENSIS	BRASSICACEAE	WHITLOW-BRASS, ZION	UT
3C	DRABA ASTEROPHORA VAR. ASTEROPHORA	BRASSICACEAE	DRABA, LAKE TANDE	CA NV
2	DRABA ASTEROPHORA VAR. MACROCARPA	BRASSICACEAE	DRABA, CUP LAKE	CA
2	DRABA CARNSOLA	BRASSICACEAE	DRABA, MT. EDDY	CA
3C	DRABA CRASSIFOLIA VAR. NEVADENSIS	BRASSICACEAE		CA NV
3C	DRABA CRUCIATA VAR. CRUCIATA	BRASSICACEAE	DRABA, MINERAL KING	CA
3C	DRABA CRUCIATA VAR. INTEGRIFOLIA	BRASSICACEAE	DRABA, WHITNEY	CA
3C	DRABA DOUGLASII VAR. CROCKERI	BRASSICACEAE		CA NV
3C	DRABA DOUGLASII VAR. DOUGLASII	BRASSICACEAE		CA ID NV OR WA
3C	DRABA EXUNGUICULATA	BRASSICACEAE	WHITLOW-WORT,	CO
5	DRABA HOWELLII VAR. CARNSOLA	*** SEE ***	DRABA CARNSOLA	
2	DRABA JAEGERI	BRASSICACEAE		NV
2	DRABA LEMMONII VAR. CYCLOMORPHA	BRASSICACEAE		OR
3C	DRABA LEMMONII VAR. INCRASSATA	BRASSICACEAE		CA
2	DRABA MAGUIREI VAR. BURKEI	BRASSICACEAE		UT
3C	DRABA MAGUIREI VAR. MAGUIREI	BRASSICACEAE		UT
3C	DRABA MEGALLOMORPHA	BRASSICACEAE		NM
2	DRABA MURRAYI	BRASSICACEAE		AK, Canada (Yukon)
3C	DRABA NIVALIS VAR. BREVICULA	BRASSICACEAE	DRABA, SNOW, LITTLE	NY
5	DRABA OLIGOSPERMA VAR. PECTINIPILA	*** SEE ***	DRABA PECTINIPILA	
2	DRABA PAUCIFRUCTA	BRASSICACEAE		NV
3C	DRABA PECTINIPILA	BRASSICACEAE		CO WY
3C	DRABA QUADRICOSTATA	BRASSICACEAE	DRABA, BODIE HILLS	CA NV
3C	DRABA RUAXES	BRASSICACEAE		AK WA, Canada (B.C.)
3C	DRABA SOBOLIFERA	BRASSICACEAE	WHITLOW-BRASS, STOLON	UT
3C	DRABA SPHAEROCARPA	BRASSICACEAE		ID
3C	DRABA SPHAEROIDES VAR. CUSICKII	BRASSICACEAE		NV OR UT
3C	DRABA STENOLOBIA VAR. RAMOSA	BRASSICACEAE		CA NV
3C	DRABA SUBALPINA	BRASSICACEAE	WHITLOW-BRASS,	UT
5	DRABA VENTOSA VAR. RUAXES	*** SEE ***	DRABA RUAXES	
5	DRABA ZIONENSIS	*** SEE ***	DRABA ASPRELLA VAR. ZIONENSIS	
3C	DRACAENA AUREA	LILIACEAE	HALAPEPE,	HI
1	DRACAENA FORBESII	LILIACEAE	HALAPEPE,	HI
1	DRACAENA HAWAIIENSIS	LILIACEAE	HALAPEPE,	HI
5	DRYPETES PHYLLANTHOIDES	*** SEE ***	NEOWAWRAEA PHYLLANTHOIDES	
3C	DUBAUTIA ARBOREA	ASTERACEAE		HI
1	DUBAUTIA HERBSTOBIATAE	ASTERACEAE		HI
3B	DUBAUTIA HILLEBRANDII	ASTERACEAE		HI
3C	DUBAUTIA KNUDSENII	ASTERACEAE	DUBAUTIA, KNUDSEN	HI
3B	DUBAUTIA KNUDSENII VAR. DEGENERI	ASTERACEAE		HI
2	DUBAUTIA LAEVIGATA VAR. PARVIFOLIA	ASTERACEAE		HI
1	DUBAUTIA LATIFOLIA	ASTERACEAE		HI
2	DUBAUTIA LAXA VAR. BLAKEI	ASTERACEAE		HI
1	DUBAUTIA LAXA VAR. MAIANENSIS	ASTERACEAE	NAENAE-PUA-MELEMELE,	HI
3B	DUBAUTIA LONCHOPHYLLA	ASTERACEAE		HI
2	DUBAUTIA MAGNIFOLIA	ASTERACEAE		HI
1	DUBAUTIA MICROCEPHALA	ASTERACEAE		HI
3B	DUBAUTIA MOLOKAIENSIS	ASTERACEAE		HI
3B	DUBAUTIA MONTANA VAR. LONGIFOLIA	ASTERACEAE		HI
3B	DUBAUTIA MONTANA VAR. ROBUSTIOR	ASTERACEAE		HI
1	DUBAUTIA PLANTAGINEA VAR. ACRIDENTATA	ASTERACEAE		HI
3C	DUBAUTIA PLANTAGINEA VAR. PLANTAGINEA	ASTERACEAE		HI
2	DUBAUTIA PLATYPHYLLA VAR. LEPTOPHYLLA	ASTERACEAE		HI
1	DUBAUTIA RETICULATA	ASTERACEAE		HI
3B	DUBAUTIA ROCKII	ASTERACEAE		HI
3C	DUBAUTIA SHERFFIANA	ASTERACEAE	RAILLIARDIA, SHERFF	HI
3B	DUBAUTIA STRUTHIOLOIDES	ASTERACEAE	NA'ENA'E	HI
3B	DUBAUTIA TERNIFOLIA	ASTERACEAE		HI
3B	DUBAUTIA THYRSIFLORA VAR. CERNUA	ASTERACEAE		HI
3B	DUBAUTIA THYRSIFLORA VAR. THYRSIFLORA	ASTERACEAE		HI
2	DUBAUTIA WAIALEALAE VAR. MEGAPHYLLA	ASTERACEAE		HI
2	DUDLEYA ABRAMSII SSP. MURINA	CRASSULACEAE	LIVEFOREVER, SAN LUIS OBISPO	CA
2	DUDLEYA BETTINAE	CRASSULACEAE	LIVEFOREVER, BETTY'S	CA
5	DUDLEYA BLOCHMANIAE SSP. BREVIFOLIA	*** SEE ***	DUDLEYA BREVIFOLIA	
2	DUDLEYA BLOCHMANIAE SSP. INSULARIS	CRASSULACEAE	DUDLEYA, SANTA ROSA ISLAND	CA
1	DUDLEYA BREVIFOLIA	CRASSULACEAE	DUDLEYA, SHORT-LEAVED	CA
2	DUDLEYA CANDELABRUM	CRASSULACEAE	LIVEFOREVER, CANDLEHOLDER	CA
5	DUDLEYA COLLOMIAE	*** SEE ***	DUDLEYA SAXOSA VAR. COLLOMIAE	
2	DUDLEYA CYMOSEA SSP. MARCESCENS	CRASSULACEAE	LIVEFOREVER, SANTA MONICA MOUNTAINS	CA
2	DUDLEYA DENSIFLORA	CRASSULACEAE	DUDLEYA, SAN GABRIEL MOUNTAIN	CA
2	DUDLEYA MULTICAULIS	CRASSULACEAE	LIVEFOREVER, MANY-STEMMED	CA
2	DUDLEYA NESIOTICA	CRASSULACEAE	LIVEFOREVER, SANTA CRUZ ISLAND	CA



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
1	DUDLEYA PARVA	CRASSULACEAE	DUDLEYA, SERPENTINE	CA
2	DUDLEYA SAXOSA SSP. SAXOSA	CRASSULACEAE		CA
3C	DUDLEYA SAXOSA VAR. COLLOMIAE	CRASSULACEAE		AZ
1	DUDLEYA STOLONIFERA	CRASSULACEAE	LIVEFOREVER, LAGUNA BEACH	CA
2	DUDLEYA TRASKIAE	CRASSULACEAE	LIVEFOREVER, SANTA BARBARA ISLAND	CA
2	DUDLEYA VARIEGATA	CRASSULACEAE	DUDLEYA, VARIEGATED	CA, Mexico
2	DUDLEYA VERITYI	CRASSULACEAE		CA
2	DUDLEYA VIRENS	CRASSULACEAE	LIVEFOREVER, GREEN	CA
1	DUDLEYA VISCIDA	CRASSULACEAE	LIVEFOREVER, STICKY	CA
3C	DYSCHORISTE CRENULATA	ACANTHACEAE		TX, Mexico
LE	DYSSODIA TEPHROLEUCA	ASTERACEAE	DOGWEED, ASHY	TX
5	ECHEVERIA COLLOMIAE	*** SEE ***	DUDLEYA SAXOSA VAR. COLLOMIAE	
5	ECHEVERIA RUSBYI	*** SEE ***	GRAPTOPETALUM RUSBYI	
5	ECHINACEA ANGSTIFOLIA VAR. TENNESSEENSIS	*** SEE ***	ECHINACEA TENNESSEENSIS	
2	ECHINACEA LAEVIGATA	ASTERACEAE	CONEFLOWER,	AL GA NC SC VA
2	ECHINACEA TENNESSEENSIS	ASTERACEAE	CONEFLOWER, PURPLE, TENNESSEE	TN
2	ECHINOCACTUS ASTERIAS	CACTACEAE	CACTUS, STAR	TX MEXICO
5	ECHINOCACTUS BLAUCUS	*** SEE ***	SCLEROCACTUS BLAUCUS	
LE	ECHINOCACTUS HORIZONTHALONIUS VAR. NICHOLII	CACTACEAE	CACTUS, TURK'S HEAD, NICHOL'S	AZ
5	ECHINOCACTUS MARIPOSENSIS	*** SEE ***	NEOLLOYDIA MARIPOSENSIS	
5	ECHINOCACTUS MESAE-VERDAE	*** SEE ***	SCLEROCACTUS MESAE-VERDAE	
5	ECHINOCACTUS PEBLESIANUS	*** SEE ***	PEDIOCACTUS PEBLESIANUS VAR. PEBLESIANUS	
5	ECHINOCACTUS SILERI	*** SEE ***	PEDIOCACTUS SILERI	
5	ECHINOCACTUS SUBBLAUCUS	*** SEE ***	SCLEROCACTUS BLAUCUS	
5	ECHINOCACTUS TOBUSCHII	*** SEE ***	ANCISTROCACTUS TOBUSCHII	
5	ECHINOCACTUS WHIPPLEI VAR. BLAUCUS	*** SEE ***	SCLEROCACTUS BLAUCUS	
5	ECHINOCEREUS ARIZONICUS	*** SEE ***	ECHINOCEREUS TRIGLOCHIDIATUS VAR. ARIZONICUS	
2	ECHINOCEREUS BERLANDIERI VAR. ANGSTICEPS	CACTACEAE		TX
5	ECHINOCEREUS BLANKII VAR. ANGSTICEPS	*** SEE ***	ECHINOCEREUS BERLANDIERI VAR. ANGSTICEPS	
2	ECHINOCEREUS CHLORANTHUS VAR. NEOCAPILLUS	CACTACEAE	HEDGEHOG CACTUS,	TX
5	ECHINOCEREUS COCCINEUS VAR. INERMIS	*** SEE ***	ECHINOCEREUS TRIGLOCHIDIATUS VAR. INERMIS	
5	ECHINOCEREUS DAVISII	*** SEE ***	ECHINOCEREUS VIRIDIFLORUS VAR. DAVISII	
2	ECHINOCEREUS ENGELMANNII VAR. HOWEII	CACTACEAE	HEDGEHOG CACTUS, HOWE'S	CA
2	ECHINOCEREUS ENGELMANNII VAR. MUNZII	CACTACEAE	HEDGEHOG CACTUS, MUNZ'S	CA, Mexico
LE	ECHINOCEREUS ENGELMANNII VAR. PURPUREUS	CACTACEAE	HEDGEHOG CACTUS, PURPLE-SPINED	UT
LE	ECHINOCEREUS FENDLERI VAR. KUENZLERI	CACTACEAE	HEDGEHOG CACTUS, KUENZLER	NM
5	ECHINOCEREUS HEMPELII /OF AUTHORS, NOT FDBE	*** SEE ***	ECHINOCEREUS FENDLERI VAR. KUENZLERI	
5	ECHINOCEREUS KUENZLERI	*** SEE ***	ECHINOCEREUS FENDLERI VAR. KUENZLERI	
3C	ECHINOCEREUS LEDINGII	CACTACEAE		AZ
LE	ECHINOCEREUS LLOYDII	CACTACEAE	HEDGEHOG CACTUS, LLOYD'S	TX
5	ECHINOCEREUS MELANOCENTRUS	*** SEE ***	ECHINOCEREUS REICHENBACHII VAR. ALBERTII	
5	ECHINOCEREUS PHOENICEUS VAR. INERMIS	*** SEE ***	ECHINOCEREUS TRIGLOCHIDIATUS VAR. INERMIS	
LE	ECHINOCEREUS REICHENBACHII VAR. ALBERTII	CACTACEAE	CACTUS, BLACK LACE	TX
1	ECHINOCEREUS REICHENBACHII VAR. CHISOSENSIS	CACTACEAE		TX, Mexico
2	ECHINOCEREUS REICHENBACHII VAR. FITCHII	CACTACEAE		TX
5	ECHINOCEREUS ROETTERI VAR. LLOYDII	*** SEE ***	ECHINOCEREUS LLOYDII	
3B	ECHINOCEREUS RUSSANTHUS	CACTACEAE	HEDGEHOG CACTUS, RUSTY	TX
LE	ECHINOCEREUS TRIGLOCHIDIATUS VAR. ARIZONICUS	CACTACEAE	HEDGEHOG CACTUS, ARIZONA	AZ
LE	ECHINOCEREUS TRIGLOCHIDIATUS VAR. INERMIS	CACTACEAE	HEDGEHOG CACTUS, SPINELESS	CO UT
3C	ECHINOCEREUS VIRIDIFLORUS VAR. CORRELLII	CACTACEAE		TX
LE	ECHINOCEREUS VIRIDIFLORUS VAR. DAVISII	CACTACEAE	PITAYA, GREEN, DAVIS'	TX
5	ECHINOMASTUS MARIPOSENSIS	*** SEE ***	NEOLLOYDIA MARIPOSENSIS	
5	ECTOSPERMA ALEXANDRAE	*** SEE ***	SMALLENIA ALEXANDRAE	
3C	ELEOCHARIS AUSTROTXYANA	CYPERACEAE		TX
2	ELEOCHARIS BRACHYCARPA	CYPERACEAE		TX MEXICO
2	ELEOCHARIS CYLINDRICA	CYPERACEAE		TX, Mexico
3C	ELLIOTTIA RACEMOSA	ERICACEAE	SPIKE-RUSH, CYLINDER	GA SC
3A	ELODEA BRANDEBEAE	HYDROCHARITACEAE	PLUME, GEORGIA	CA
1	ELODEA LINEARIS	HYDROCHARITACEAE	WATERWEED, TRUCKEE	CA
2	ELODEA NEVADENSIS	HYDROCHARITACEAE	WATERWEED, NASHVILLE	TN
3A	ELODEA SCHWEINITZII	HYDROCHARITACEAE	WATERWEED, NEVADA	NV
2	ELYNUS SVENSONII	HYDROCHARITACEAE	WATERWEED, SCHWEINITZ'S	PA
2	ELYTRARIA CAROLINIENSIS VAR. ANGSTIFOLIA	POACEAE		TN
2	ELYTRARIA CAROLINIENSIS VAR. CAROLINIENSIS	ACANTHACEAE		FL
3C	ELYTRARIA CAROLINIENSIS VAR. CAROLINIENSIS	ACANTHACEAE		FL GA SC
2	EMBELIA HILLEBRANDII	MYRSINACEAE		HI
3C	ENCELIA FRUTESCENS VAR. RESINOSA	ASTERACEAE		AZ
2	ENCALIOPSIS COVILLEI	ASTERACEAE	DAISY, PANAMINT	CA
LT	ENCALIOPSIS NUDICAULIS VAR. CORRUGATA	ASTERACEAE	SUNRAY, ASH MEADOWS	NV

STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	ENCYCLIA BOOTHIANA VAR. ERYTHRONIOIDES	ORCHIDACEAE	ORCHID, DOLLAR	FL, Bahamas, Belize, Cuba, Jamaica, Mexico, Hispaniola, South America
3C	ENCYCLIA KRUGII	ORCHIDACEAE		PR
2	ENCYCLIA SINTENISII	ORCHIDACEAE		PR, Cuba, Jamaica, Hispaniola
3C	EPHEDRA FUNEREA	EPHEDRACEAE		CA NV
3B	EPIDENDRUM BRITTONIANUM	ORCHIDACEAE		PR
5	EPIDENDRUM ERYTHRONIOIDES	*** SEE ***	ENCYCLIA BOOTHIANA VAR. ERYTHRONIOIDES	
3C	EPIDENDRUM KRANZLINII	ORCHIDACEAE		FR
5	EPIDENDRUM KRUGII	*** SEE ***	ENCYCLIA KRUGII	
2	EPIDENDRUM LACERUM	ORCHIDACEAE		PR, Cuba
5	EPIDENDRUM SINTENISII	*** SEE ***	ENCYCLIA SINTENISII	
3C	EPILOBIUM NEVADENSE	ONAGRACEAE	WILLOWHERB, NEVADA	NV UT
3C	EPILOBIUM NIVIUM	ONAGRACEAE	WILLOWHERB, SNOW MOUNTAIN	CA
5	EPILOBIUM OBCORDATUM SSP. SISKIYOUENSE	*** SEE ***	EPILOBIUM SISKIYOUENSE	
2	EPILOBIUM OREGANUM	ONAGRACEAE		CA OR
3C	EPILOBIUM SISKIYOUENSE	ONAGRACEAE	ROCK-FRINGE, SISKIYOU	CA OR
3C	EPITHELANTHA BOXEI	CACTACEAE		TX, Mexico
1	ERAGROSTIS FOSBERGII	POACEAE	LOVE GRASS, FOSBERG'S	HI
1	ERAGROSTIS MAUIENSIS	POACEAE	LOVE GRASS, MAUI	HI
1	ERAGROSTIS NIHAUENSIS	POACEAE	LOVE GRASS, NIHAU	HI
1	ERAGROSTIS PAUPERA	POACEAE		HI
2	ERAGROSTIS TRACYI	POACEAE		FL
2	EREMALCHE KERNENSIS	MALVACEAE	LOVE GRASS, SANIBEL MALLOW, KERN	CA
2	ERIASTRUM BRANDEGEEI	POLEMONIACEAE	ERIASTRUM, BRANDEGEE	CA
1	ERIASTRUM DENSIFOLIUM SSP. SANCTORUM	POLEMONIACEAE	ERIASTRUM, SANTA ANA RIVER	CA
2	ERIASTRUM HOOVERI	POLEMONIACEAE	ERIASTRUM, HOOVER'S	CA
2	ERIASTRUM TRACYI	POLEMONIACEAE	ERIASTRUM, TRACY	CA
1	ERICAMERIA FASCICULATA	ASTERACEAE	GOLDENWEED, EASTWOOD'S	CA
5	ERICAMERIA PALMERI SSP. PALMERI	*** SEE ***	HAPLOPAPPUS PALMERI SSP. PALMERI	
3C	ERIGERON ABAJOENSIS	ASTERACEAE	DAISY, ABAJO	UT
2	ERIGERON AQUIFOLIUS	ASTERACEAE	DAISY, HALL'S	CA
3C	ERIGERON ALLOCOTUS	ASTERACEAE	FLEABANE, BRANCHED	MT WY
3C	ERIGERON ARENARIOIDES	ASTERACEAE		UT
3C	ERIGERON ARIZONICUS	ASTERACEAE		AZ
1	ERIGERON BASALTICUS	ASTERACEAE	DAISY, BASALT	WA
3C	ERIGERON BIGELOVII	ASTERACEAE		TX, Mexico
3C	ERIGERON BLOOMERI VAR. NUDATUS	ASTERACEAE		CA OR
3C	ERIGERON CALVUS	ASTERACEAE	FLEABANE,	CA
2	ERIGERON CHRYSOPSIDIIS VAR. BREVIFOLIUS	ASTERACEAE		OR
2	ERIGERON CRONQUISTII	ASTERACEAE	DAISY, CRONQUIST	UT
2	ERIGERON DECUMBENS VAR. DECUMBENS	ASTERACEAE		OR
3B	ERIGERON DELICATUS	ASTERACEAE	FLEABANE, DEL NORTE	CA OR
3C	ERIGERON ERIOPHYLLUS	ASTERACEAE	FLEABANE,	AZ
5	ERIGERON FLAGELLARIS VAR. TRILOBATUS	*** SEE ***	ERIGERON PROSELYTICUS	
3C	ERIGERON FLETTII	ASTERACEAE		WA
2	ERIGERON FLEXUOSUS	ASTERACEAE	DAISY, TRINITY ALPS	CA
3C	ERIGERON FOLIOSUS VAR. BLOCHMANIAE	ASTERACEAE	LEAFY-DAISY, BLOCKMAN'S	CA
3C	ERIGERON GARRETTII	ASTERACEAE		UT
5	ERIGERON GEISERI VAR. CALCICOLA	*** SEE ***	ERIGERON NIMEGLETES	
5	ERIGERON GRANDIFLORUS SSP. MUIRII	*** SEE ***	ERIGERON MUIRII	
2	ERIGERON HESSII	ASTERACEAE		NM
2	ERIGERON HOWELLII	ASTERACEAE	FLEABANE, HOWELL'S	OR WA
2	ERIGERON MULTENII	ASTERACEAE		AF
2	ERIGERON KACHINENSIS	ASTERACEAE	DAISY, KACHINA	CO UT
1	ERIGERON KUSCHEI	ASTERACEAE	FLEABANE,	AZ
2	ERIGERON LATUS	ASTERACEAE	FLEABANE,	ND NV
3C	ERIGERON LEIBERGII	ASTERACEAE		WA
2	ERIGERON LEMMONII	ASTERACEAE		AZ
3C	ERIGERON LOBATUS	ASTERACEAE		AZ
2	ERIGERON MAGUIREI VAR. HARRISONII	ASTERACEAE		UT
LE	ERIGERON MAGUIREI VAR. MAGUIREI	ASTERACEAE	DAISY, MAGUIRE	UT
2	ERIGERON MANCUS	ASTERACEAE	DAISY, DEPAUPERATE	UT
2	ERIGERON NIMEGLETES	ASTERACEAE	FLEABANE,	TX
2	ERIGERON MUIRII	ASTERACEAE		AF
2	ERIGERON MULTICEPS	ASTERACEAE	DAISY, KERN RIVER	CA
3C	ERIGERON OREGANUS	ASTERACEAE	FLEABANE, OREGON	OR WA
2	ERIGERON OVINUS	ASTERACEAE		NV
2	ERIGERON PARISHII	ASTERACEAE	DAISY, PARISH'S	CA
3A	ERIGERON PERGLABER	ASTERACEAE		AZ
3C	ERIGERON PIPERANUS	ASTERACEAE		WA
2	ERIGERON PRINGLEI	ASTERACEAE		AZ
3C	ERIGERON PROSELYTICUS	ASTERACEAE	DAISY, CLIFF	UT
2	ERIGERON PULCHELLUS VAR. TOLSTEADII	ASTERACEAE		MN
3C	ERIGERON RELIGIOSUS	ASTERACEAE	FLEABANE, CLEAR CREEK	UT
LT	ERIGERON RHIZOMATUS	ASTERACEAE	FLEABANE,	NM
2	ERIGERON SIONIS	ASTERACEAE		UT
2	ERIGERON SP. NOV. /INED.	ASTERACEAE		WY
2	ERIGERON SUPPLEX	ASTERACEAE	DAISY, SUPPLE	CA
3C	ERIGERON UNCIALIS VAR. CONJUGANS	ASTERACEAE		NV
2	ERIGERON UNTERMANNII	ASTERACEAE		UT



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	ERIOCAULON KORNICKIANUM	ERIOCAULACEAE	PIPEWORT.	AR SA OK TX
2	ERIOCAULON PARKERI	ERIOCAULACEAE	PIPEWORT, PARKER'S	CT DC DE MA MD ME NC NJ NY PA VA, Canada (N.S., Que.)
2	ERIOCHLOA MICHAUXII VAR. SIMPSONII	POACEAE		FL
1	ERIODICTYON ALTISSIMUM	HYDROPHYLLACEAE	MOUNTAIN BALM, INDIAN KNOB	CA
1	ERIODICTYON CAPITATUM	HYDROPHYLLACEAE	LOMPOC YERBA SANTA	CA
3C	ERIOGONUM ALLENII	POLYGONACEAE		VA NV
3C	ERIOGONUM ALPINUM	POLYGONACEAE	WILD BUCKWHEAT, TRINITY	CA
1	ERIOGONUM AMMOPHILUM	POLYGONACEAE	WILD BUCKWHEAT, SAND-LOVING	UT
2	ERIOGONUM AMPULLACEUM	POLYGONACEAE	WILD BUCKWHEAT, MOND	CA
3C	ERIOGONUM ANEMOPHILUM	POLYGONACEAE	WILD BUCKWHEAT.	NV
2	ERIOGONUM APACHENSE	POLYGONACEAE		AZ
1	ERIOGONUM APRICUM VAR. APRICUM	POLYGONACEAE	WILD BUCKWHEAT, JONE	CA
1	ERIOGONUM APRICUM VAR. PROSTRATUM	POLYGONACEAE	WILD BUCKWHEAT, IRISH HILL	CA
2	ERIOGONUM ARETIODES	POLYGONACEAE	WILD BUCKWHEAT, WIDSTOE	UT
2	ERIOGONUM ARDOPHYLLUM	POLYGONACEAE	WILD BUCKWHEAT.	NV
3C	ERIOGONUM BEATLEYAE	POLYGONACEAE	WILD BUCKWHEAT, BEATLEY	CA NV
2	ERIOGONUM BIFURCATUM	POLYGONACEAE		CA NV
2	ERIOGONUM BRANDEGEI	POLYGONACEAE	WILD BUCKWHEAT, BRANDESEE	CO
2	ERIOGONUM BREEDLOVEI VAR. BREEDLOVEI	POLYGONACEAE	WILD BUCKWHEAT, PIUTE	CA
2	ERIOGONUM BREEDLOVEI VAR. SHEVOCKII	POLYGONACEAE		CA
2	ERIOGONUM BUTTERWORTHIANUM	POLYGONACEAE	WILD BUCKWHEAT, BUTTERWORTH'S	CA
3C	ERIOGONUM CANINUM	POLYGONACEAE	WILD BUCKWHEAT, TIBURON	CA
2	ERIOGONUM CAPILLARE	POLYGONACEAE	WILD BUCKWHEAT.	AZ
2	ERIOGONUM CHRYSOPS	POLYGONACEAE	WILD BUCKWHEAT, GOLDEN	OR
3C	ERIOGONUM CLAVELLATUM	POLYGONACEAE	WILD BUCKWHEAT, COMB WASH	CO UT
3C	ERIOGONUM CONCINNUM	POLYGONACEAE		NV
3C	ERIOGONUM CONGDONII	POLYGONACEAE	ERIOGONUM, CONGDON	CA
3C	ERIOGONUM CONTIGUUM	POLYGONACEAE		CA NV
3C	ERIOGONUM CORRELLII	POLYGONACEAE		TX
3B	ERIOGONUM CORYMBOSUM VAR. DAVIDSEI	POLYGONACEAE	WILD BUCKWHEAT, CORYMBED, DAVIDSE	UT
3C	ERIOGONUM CORYMBOSUM VAR. MATTHEWSAE	POLYGONACEAE	WILD BUCKWHEAT, MATTHEW'S	UT
3C	ERIOGONUM CORYMBOSUM VAR. REVEALIANUM	POLYGONACEAE	WILD BUCKWHEAT, CORYMBED, REVEAL	UT
2	ERIOGONUM CROCATUM	POLYGONACEAE	WILD BUCKWHEAT, CONEJO	CA
2	ERIOGONUM CRONQUISTII	POLYGONACEAE	WILD BUCKWHEAT, CRONQUIST	UT
2	ERIOGONUM CROSBYAE	POLYGONACEAE		OR
2	ERIOGONUM CUSICKII	POLYGONACEAE		OR
3C	ERIOGONUM DARROVII	POLYGONACEAE	WILD BUCKWHEAT.	AZ NV
3B	ERIOGONUM DENSUM	POLYGONACEAE		AZ NH
3C	ERIOGONUM DESERTICOLA	POLYGONACEAE	ERIOGONUM, DESERT	AZ CA
3C	ERIOGONUM DICLINUM	POLYGONACEAE	ERIOGONUM, JAMES CANYON	CA OR
3C	ERIOGONUM EASTWOODIANUM	POLYGONACEAE		CA
3C	ERIOGONUM EPHEDEROIDES	POLYGONACEAE	WILD BUCKWHEAT, EPHEDRA	CO UT
2	ERIOGONUM EREMICOLA	POLYGONACEAE	ERIOGONUM, WILD ROSE CANYON	CA
3C	ERIOGONUM EREMICUM	POLYGONACEAE	WILD BUCKWHEAT, LIMESTONE	UT
3C	ERIOGONUM ERICIFOLIUM VAR. ERICIFOLIUM	POLYGONACEAE	WILD BUCKWHEAT.	AZ
2	ERIOGONUM ERICIFOLIUM VAR. THORNEI	POLYGONACEAE	WILD BUCKWHEAT, THORNE'S	CA
2	ERIOGONUM FLAVUM VAR. AQUILINUM	POLYGONACEAE	WILD BUCKWHEAT.	AK
5	ERIOGONUM FLORIDANUM	*** SEE ***	ERIOGONUM LONGIFOLIUM VAR. SNAPHALIFOLIUM	
2	ERIOGONUM GIGANTEUM VAR. COMPACTUM	POLYGONACEAE	GIANT BUCKWHEAT, SANTA BARBARA IS.	CA
2	ERIOGONUM GIGANTEUM VAR. FORMOSUM	POLYGONACEAE	WILD BUCKWHEAT, SAN CLEMENTE IS.	CA
3C	ERIOGONUM GILMANII	POLYGONACEAE	WILD BUCKWHEAT, GILMAN'S	CA
2	ERIOGONUM GOSSYPINUM	POLYGONACEAE	ERIOGONUM, COTTON	CA
2	ERIOGONUM GRANDE VAR. DUNKLEI	POLYGONACEAE	WILD BUCKWHEAT, SAN MIGUEL IS.	CA
3C	ERIOGONUM GRANDE VAR. TIMORUM	POLYGONACEAE	WILD BUCKWHEAT, SAN NICOLAS ISLAND	CA
3B	ERIOGONUM GRAYI	POLYGONACEAE		UT
LT	ERIOGONUM GYPSOPHILUM	POLYGONACEAE	WILD-BUCKWHEAT, GYPSUM	NM
9	ERIOGONUM HARPERI	*** SEE ***	ERIOGONUM LONGIFOLIUM VAR. HARPERI	
3C	ERIOGONUM HEERMANNII VAR. FLOCCOSUM	POLYGONACEAE	ERIOGONUM, CLARK MOUNTAIN	CA NV
3C	ERIOGONUM HEERMANNII VAR. SUBRACEMOSUM	POLYGONACEAE		AZ UT
3C	ERIOGONUM HIRTELLUM	POLYGONACEAE	WILD BUCKWHEAT, KLAMATH MOUNTAIN	CA
3C	ERIOGONUM HOFFMANNII VAR. HOFFMANNII	POLYGONACEAE	ERIOGONUM, HOFFMAN,	CA
3C	ERIOGONUM HOFFMANNII VAR. ROBUSTIUS	POLYGONACEAE	ERIOGONUM, HOFFMAN, ROBUST	CA
2	ERIOGONUM HOLMBRENI	POLYGONACEAE		NV
1	ERIOGONUM HUMIVAGANS	POLYGONACEAE	WILD BUCKWHEAT, SPREADING	UT
3C	ERIOGONUM NYLOPHILUM	POLYGONACEAE	WILD BUCKWHEAT, BADLANDS	UT
3C	ERIOGONUM INTERMONTANUM	POLYGONACEAE	WILD BUCKWHEAT, DIVIDE	UT
3C	ERIOGONUM INTRAFRACTUM	POLYGONACEAE	WILD BUCKWHEAT, JOINTED	CA
3C	ERIOGONUM JAMESII VAR. RUPICOLA	POLYGONACEAE	WILD BUCKWHEAT, SANDSTONE	UT
1	ERIOGONUM KELLOGGII	POLYGONACEAE	WILD BUCKWHEAT, RED MOUNTAIN	CA
2	ERIOGONUM KENNEDYI VAR. AUSTRUMONTANUM	POLYGONACEAE	WILD BUCKWHEAT, SOUTHERN MOUNTAIN	CA
2	ERIOGONUM KENNEDYI VAR. PINICOLA	POLYGONACEAE	WILD BUCKWHEAT, CACHE PEAK	CA
2	ERIOGONUM LABOPUS	POLYGONACEAE		MT WY
3C	ERIOGONUM LANCIFOLIUM	POLYGONACEAE	WILD BUCKWHEAT, LANCE LEAF	UT
3C	ERIOGONUM LATENS	POLYGONACEAE		CA
3C	ERIOGONUM LEMMONII	POLYGONACEAE	WILD BUCKWHEAT,	NV
3C	ERIOGONUM LIBERTINI	POLYGONACEAE		CA
2	ERIOGONUM LOBBI VAR. ROBUSTUM	POLYGONACEAE		NV
3C	ERIOGONUM LOSANUM	POLYGONACEAE	WILD BUCKWHEAT, LOSAN	UT
9	ERIOGONUM LONGIFOLIUM VAR. FLORIDANUM	*** SEE ***	ERIOGONUM FLORIDANUM	
2	ERIOGONUM LONGIFOLIUM VAR. SNAPHALIFOLIUM	POLYGONACEAE	WILD BUCKWHEAT, SCRUB	FL



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	ERIOGONUM LONGIFOLIUM VAR. HARPERI	POLYGONACEAE		AL KY TN
2	ERIOGONUM MICROTHECUM VAR. JOHNSTONII	POLYGONACEAE	BRUSH BUCKWHEAT, JOHNSTON'S	CA
2	ERIOGONUM MICROTHECUM VAR. PANAMINTENSE	POLYGONACEAE	BRUSH BUCKWHEAT, PANAMINT MOUNTAINS	CA
2	ERIOGONUM MORTONIANUM	POLYGONACEAE	WILD BUCKWHEAT,	AZ
3B	ERIOGONUM NANUM	POLYGONACEAE	WILD BUCKWHEAT, DWARF	UT
3C	ERIOGONUM NATUM	POLYGONACEAE		UT
3C	ERIOGONUM NEALLEYI	POLYGONACEAE	WILD BUCKWHEAT, IRON COUNTY	TX
2	ERIOGONUM NERVULOSUM	POLYGONACEAE		CA
3C	ERIOGONUM NORTONII	POLYGONACEAE	WILD BUCKWHEAT, PINNACLES	CA
3C	ERIOGONUM NOVONUDUM	POLYGONACEAE		OR
2	ERIOGONUM NUDUM VAR. MURINUM	POLYGONACEAE	WILD BUCKWHEAT, MOUSE	CA
3B	ERIOGONUM NUMMULARE	POLYGONACEAE		UT
3C	ERIOGONUM OSTLUNDII	POLYGONACEAE	WILD BUCKWHEAT, OSTLUND	UT
3C	ERIOGONUM OVALIFOLIUM VAR. CAELESTINUM	POLYGONACEAE		NV
1	ERIOGONUM OVALIFOLIUM VAR. VINEUM	POLYGONACEAE	WILD BUCKWHEAT,	CA
FE	ERIOGONUM OVALIFOLIUM VAR. WILLIAMSIAE	POLYGONACEAE		NV
3C	ERIOGONUM PANGUICENSE VAR. ALPESTRE	POLYGONACEAE	WILD BUCKWHEAT, PANGUITCH	UT
3B	ERIOGONUM PARVIFOLIUM VAR. LUCIDUM	POLYGONACEAE	WILD BUCKWHEAT, POINT LOBOS	CA
3B	ERIOGONUM PARVIFOLIUM VAR. PAYNEI	POLYGONACEAE	ERIOGONUM, SANTA PAULA	CA
LE	ERIOGONUM PELINOPHYLLUM	POLYGONACEAE	WILD-BUCKWHEAT, CLAY-LOVING	CO
3C	ERIOGONUM PENOULUM	POLYGONACEAE	WILD BUCKWHEAT, WALDO	CA OR
2	ERIOGONUM PROCIDUUM	POLYGONACEAE	WILD BUCKWHEAT, PROSTRATE	CA NV OR
2	ERIOGONUM RIPLEYI	POLYGONACEAE		AZ
3C	ERIOGONUM RUBRICAULE	POLYGONACEAE		NV
3C	ERIOGONUM SAURINUM	POLYGONACEAE	WILD BUCKWHEAT, DINOSAUR	CO UT
2	ERIOGONUM SCOPULORUM	POLYGONACEAE		OR
3C	ERIOGONUM SISKIYOUENSE	POLYGONACEAE	ERIOGONUM, SISKIYOU	CA
2	ERIOGONUM SMITHII	POLYGONACEAE	WILD BUCKWHEAT, SMITH	UT
2	ERIOGONUM SOREDIUM	POLYGONACEAE		UT
5	ERIOGONUM SP. (LAKEVIEW CO., OR)	*** SEE ***	ERIOGONUM CROSBYAE	
5	ERIOGONUM SP. (TRINITY, TENAMA COS., CA)	*** SEE ***	ERIOGONUM LIBERTINI	
2	ERIOGONUM SUFFRUTICOSUM	POLYGONACEAE	WILD BUCKWHEAT, BUSHY	TX
3C	ERIOGONUM TENLORENSE	POLYGONACEAE	WILD BUCKWHEAT, TENSLOR	CA
3C	ERIOGONUM THOMPSONAE VAR. ALBIFLORUM	POLYGONACEAE	WILD BUCKWHEAT, THOMPSON, WHITE-FLOW	AZ UT
2	ERIOGONUM THOMPSONAE VAR. ATWOODII	POLYGONACEAE	WILD BUCKWHEAT, THOMPSON, ATWOOD'S	AZ
3C	ERIOGONUM THOMPSONAE VAR. THOMPSONAE	POLYGONACEAE	WILD BUCKWHEAT, THOMPSON, THOMPSON'S	AZ UT
3C	ERIOGONUM THYMIDES	POLYGONACEAE		10 OR WA
2	ERIOGONUM TRUNCATUM	POLYGONACEAE	ERIOGONUM, CONTRA COSTA	CA
3C	ERIOGONUM TUMULOSUM	POLYGONACEAE		CO UT
1	ERIOGONUM TWISSELMANNII	POLYGONACEAE	ERIOGONUM, TWISSELMANN'S	CA
2	ERIOGONUM UMBELLATUM VAR. HUMISTRATUM	POLYGONACEAE	WILD BUCKWHEAT, MT. EDDY	CA
3C	ERIOGONUM UMBELLATUM VAR. HYPOLEIUM	POLYGONACEAE		WA
3C	ERIOGONUM UMBELLATUM VAR. MINUS	POLYGONACEAE	WILD BUCKWHEAT, SULFUR-FLOWERED, ALP	CA
3C	ERIOGONUM UMBELLATUM VAR. TORREYANUM	POLYGONACEAE	WILD BUCKWHEAT, SULFUR-FLOWERED, TOR	CA
3C	ERIOGONUM VESTIUM	POLYGONACEAE	ERIOGONUM, IDRIA	CA
5	ERIOGONUM VILLIFLORUM VAR. TUMULOSUM	*** SEE ***	ERIOGONUM TUMULOSUM	
3C	ERIOGONUM VIRIDULUM	POLYGONACEAE		CO UT
2	ERIOGONUM VISCIDULUM	POLYGONACEAE	WILD BUCKWHEAT,	NV
2	ERIOGONUM VISHERI	POLYGONACEAE		SD WY
2	ERIOGONUM WRIGHTII VAR. OLANCHENSE	POLYGONACEAE	WILD BUCKWHEAT, OLANCHE PEAK	CA
3C	ERIOGONUM ZIONIS VAR. COCCINEUM	POLYGONACEAE	WILD BUCKWHEAT, ZION,	AZ
3C	ERIOGONUM ZIONIS VAR. ZIONIS	POLYGONACEAE	WILD BUCKWHEAT, ZION,	AZ UT
3C	ERIOPHYLLUM CONGDONII	ASTERACEAE	ERIOPHYLLUM, CONGDON'S	CA
2	ERIOPHYLLUM LANATUM VAR. HALLII	ASTERACEAE	WOOLY-SUNFLOWER, FT. TEJON	CA
1	ERIOPHYLLUM LATILOBUM	ASTERACEAE	WOOLY-SUNFLOWER, SAN MATEO	CA
2	ERIOPHYLLUM MOHAVENSE	ASTERACEAE	WOOLY-SUNFLOWER, BARSTOW	CA
2	ERIOPHYLLUM NEVINII	ASTERACEAE		CA
2	ERIOPHYLLUM NUBIGENUM	ASTERACEAE	WOOLY-SUNFLOWER, YOSEMITE	CA
5	ERIOPHYLLUM NUBIGENUM VAR. CONGDONII	*** SEE ***	ERIOPHYLLUM CONGDONII	
2	ERITHALIS REVOLUTA	RUBIACEAE		PR
3C	ERRAZURIZIA ROTUNDATA	FABACEAE		AZ
2	ERYNGIUM ARISTULATUM VAR. HOOVERI	APIACEAE	BUTTON-CELERY, HOOVER'S	CA
1	ERYNGIUM ARISTULATUM VAR. PARISHII	APIACEAE	COYOTE-THISTLE, SAN DIEGO	CA
LE	ERYNGIUM CONSTANCI	APIACEAE	COYOTE-THISTLE, CONSTANCE'S	CA
1	ERYNGIUM CUNEIFOLIUM	APIACEAE		FL
2	ERYNGIUM MATHIASIAE	APIACEAE	COYOTE-THISTLE, MATHIAS	CA
3C	ERYNGIUM PETIOLATUM	APIACEAE		OR WA
2	ERYNGIUM PINNATISECTUM	APIACEAE	COYOTE-THISTLE, TUOLUMNE	CA
1	ERYNGIUM RACEROSUM	APIACEAE	COYOTE-THISTLE, DELTA	CA
2	ERYNGIUM SPINOSEPALUM	APIACEAE		CA
2	ERYSIMUM AMMOPHYLUM	BRASSICACEAE	WALLFLOWER, COAST	CA
5	ERYSIMUM ANGUSTATUM /GREENE	*** SEE ***	ERYSIMUM CAPITATUM VAR. ANGUSTATUM	
5	ERYSIMUM ANGUSTATUM /P.A. RYDBERG	*** SEE ***	ERYSIMUM ASPERUM VAR. ANGUSTATUM	
2	ERYSIMUM ASPERUM VAR. ANGUSTATUM	BRASSICACEAE	WALLFLOWER,	AY, Canada (Yukon)
LE	ERYSIMUM CAPITATUM VAR. ANGUSTATUM	BRASSICACEAE	WALLFLOWER, CONTRA COSTA	CA
2	ERYSIMUM FRANCISCANUM VAR. FRANCISCANUM	BRASSICACEAE	WALLFLOWER, SAN FRANCISCO	CA
2	ERYSIMUM INSULARE	BRASSICACEAE	WALLFLOWER, ISLAND	CA, Mexico
1	ERYSIMUM MENZIESII	BRASSICACEAE	WALLFLOWER, MENZIES'	CA
1	ERYSIMUM TERETIFOLIUM	BRASSICACEAE	WALLFLOWER, BEN LOMOND	CA
3C	ERYTHRONIUM CLIFTONII /SP. NOV. INED.	LILIACEAE		CA
3C	ERYTHRONIUM GRANDIFLORUM SSP. PUSATERI	LILIACEAE	FAWN-LILY,	CA
3C	ERYTHRONIUM HELENAE	LILIACEAE		CA
3C	ERYTHRONIUM HOWELLII	LILIACEAE		CA OR



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
3C	ERYTHRONIUM OREGONUM	LILIACEAE		OR WA
PE	ERYTHRONIUM PROPULLANS	LILIACEAE		MN
2	ERYTHRONIUM SP. NOV. /INED.	LILIACEAE		OR
2	ERYTHRONIUM TUOLUMNENSE	LILIACEAE	FAWN-LILY, TUOLUMNE	CA
2	ESCHSCHOLZIA PROCERA	PAPAVERACEAE	POPPY, KERNVILLE	CA
3C	ESCHSCHOLZIA RAMOSA	PAPAVERACEAE	POPPY, ISLAND	CA
2	ESCHSCHOLZIA RHOMBIPETALA	PAPAVERACEAE	POPPY, DIAMOND-PETALED	CA
9	ESCOBARIA LEEI	*** SEE ***	CORYPHANTHA SNEEDII VAR. LEET	
9	ESCOBARIA NELLIAE	*** SEE ***	CORYPHANTHA MINIMA	
9	ESCOBARIA SNEEDII	*** SEE ***	CORYPHANTHA SNEEDII VAR. SNEEDII	
1	EUGENIA HAEMATOCARPA	MYRTACEAE	UVILLO	PR
2	EUGENIA MARGARETTAE	MYRTACEAE		PR
1	EUGENIA MOLOKAIANA	MYRTACEAE	NIOI	HI
1	EUGENIA UNDERWOODII	MYRTACEAE		PR
9	EULOPHIA ECRISTATA	*** SEE ***	PTEROGLOSSASPIS ECRISTATA	
2	EUPATORIUM BORINOUENSE	ASTERACEAE		PR
3A	EUPATORIUM DROSEROLEPIS	ASTERACEAE	OREGANILLO	PR
3C	EUPATORIUM LEUCOLEPIS VAR. NOVAE-ANGLIAE	ASTERACEAE	THOROUGHWORT, WHITE-BRACTED, N.E.	MA RI
1	EUPATORIUM LUCIAE-BRAUNIAE	ASTERACEAE		KY TN
2	EUPATORIUM OTEROI	ASTERACEAE		PR
2	EUPATORIUM RESINOSUM	ASTERACEAE	BONESET, PINE BARRENS	DE NJ NY NC
3B	EUPATORIUM RESINOSUM VAR. KENTUCKIENSE	ASTERACEAE	THOROUGHWORT,	KY
3B	EUPATORIUM SALTUENSE	ASTERACEAE		NC VA
3C	EUPATORIUM SHASTENSE	ASTERACEAE	EUPATORIUM, SHASTA	CA
3C	EUPHORBIA ARNOTTIANA VAR. ARNOTTIANA	EUPHORBIACEAE		HI
1	EUPHORBIA ARNOTTIANA VAR. INTEGRIFOLIA	EUPHORBIACEAE		HI
1	EUPHORBIA ATROCOCCA	EUPHORBIACEAE		HI
3B	EUPHORBIA AUSTRINA	EUPHORBIACEAE		FL
3C	EUPHORBIA CELASTROIDES VAR. HALAWANA	EUPHORBIACEAE		HI
3C	EUPHORBIA CELASTROIDES VAR. HAUPUANA	EUPHORBIACEAE		HI
3C	EUPHORBIA CELASTROIDES VAR. HUMBERTII	EUPHORBIACEAE		HI
1	EUPHORBIA CELASTROIDES VAR. KAENANA	EUPHORBIACEAE		HI
1	EUPHORBIA CELASTROIDES VAR. KEALIANA	EUPHORBIACEAE		HI
1	EUPHORBIA CELASTROIDES VAR. KOHALANA	EUPHORBIACEAE		HI
3C	EUPHORBIA CELASTROIDES VAR. MOOMIANA	EUPHORBIACEAE		HI
2	EUPHORBIA CELASTROIDES VAR. NELSONII	EUPHORBIACEAE		HI
1	EUPHORBIA CELASTROIDES VAR. NEMATOPODA	EUPHORBIACEAE		HI
3C	EUPHORBIA CELASTROIDES VAR. NIUENSIS	EUPHORBIACEAE		HI
1	EUPHORBIA CELASTROIDES VAR. SAXICOLA	EUPHORBIACEAE		HI
1	EUPHORBIA CELASTROIDES VAR. STOKESII	EUPHORBIACEAE		HI
3C	EUPHORBIA CELASTROIDES VAR. WAIKOLUENSIS	EUPHORBIACEAE		HI
2	EUPHORBIA CUMULICOLA	EUPHORBIACEAE		FL
1	EUPHORBIA DEGENERI VAR. MOLOKAIENSIS	EUPHORBIACEAE		HI
LE	EUPHORBIA DELTOIDEA SSP. DELTOIDEA	EUPHORBIACEAE		FL
1	EUPHORBIA DELTOIDEA SSP. SERPYLLUM	EUPHORBIACEAE	SPURGE, WEDGE	FL
3A	EUPHORBIA DEPPEANA	EUPHORBIACEAE		HI
3C	EUPHORBIA DISCOIDALIS	EUPHORBIACEAE		FL
3C	EUPHORBIA EXSERTA	EUPHORBIACEAE		FL GA NC SC
2	EUPHORBIA FENDLERI VAR. TRILIGULATA	EUPHORBIACEAE	SPURGE,	TX
LT	EUPHORBIA GARBERI	EUPHORBIACEAE	SPURGE,	FL
2	EUPHORBIA GOLONDRINA	EUPHORBIACEAE	SPURGE,	TX
1	EUPHORBIA HAELELEANA	EUPHORBIACEAE		HI
1	EUPHORBIA HALEMANU	EUPHORBIACEAE		HI
2	EUPHORBIA HILLEBRANDII VAR. PALIKEANA	EUPHORBIACEAE		HI
1	EUPHORBIA HILLEBRANDII VAR. WAIMANGANA	EUPHORBIACEAE		HI
1	EUPHORBIA HOOVERI	EUPHORBIACEAE	SPURGE, HOOVER	CA
3C	EUPHORBIA INNOCUA	EUPHORBIACEAE		TX
3C	EUPHORBIA JEJUNA	EUPHORBIACEAE		TX
3C	EUPHORBIA MULTIFORMIS VAR. HALEAKALANA	EUPHORBIACEAE		HI
1	EUPHORBIA MULTIFORMIS VAR. KAALANA	EUPHORBIACEAE		HI
1	EUPHORBIA MULTIFORMIS VAR. KAPULEIENSIS	EUPHORBIACEAE		HI
3C	EUPHORBIA MULTIFORMIS VAR. MULTIFORMIS	EUPHORBIACEAE		HI
1	EUPHORBIA MULTIFORMIS VAR. PERDITA	EUPHORBIACEAE		HI
1	EUPHORBIA MULTIFORMIS VAR. SPARSIFLORA	EUPHORBIACEAE		HI
3A	EUPHORBIA MULTIFORMIS VAR. TOMENTELLA	EUPHORBIACEAE		HI
3C	EUPHORBIA NEPHRADENIA	EUPHORBIACEAE	SPURGE, FARIA	UT
3C	EUPHORBIA OCELLATA VAR. RATTANII	EUPHORBIACEAE		CA
3C	EUPHORBIA OLOWALUANA VAR. OLOWALUANA	EUPHORBIACEAE		HI
2	EUPHORBIA PERENNANS	EUPHORBIACEAE		TX
2	EUPHORBIA PLATYSPERMA	EUPHORBIACEAE	SPURGE, FLAT-SEEDED	AZ, MEXICO
1	EUPHORBIA PORTERANA VAR. KEYENSIS	EUPHORBIACEAE	SPURGE, PORTER'S,	FL
1	EUPHORBIA PORTERANA VAR. PORTERANA	EUPHORBIACEAE		FL
1	EUPHORBIA PORTERANA VAR. SCOPARIA	EUPHORBIACEAE	SPURGE, PORTER'S,	FL
2	EUPHORBIA PURPUREA	EUPHORBIACEAE	SPURGE, DARLINGTON'S	DE MD NJ NC OH PA VA WV
1	EUPHORBIA REMYI	EUPHORBIACEAE		HI
3C	EUPHORBIA RDEMERANA	EUPHORBIACEAE		TX
1	EUPHORBIA SKOTTSBERGII VAR. AUDENS	EUPHORBIACEAE		HI
LE	EUPHORBIA SKOTTSBERGII VAR. KALAELOANA	EUPHORBIACEAE	'AKOKO, 'EWA PLAINS	HI
1	EUPHORBIA SKOTTSBERGII VAR. SKOTTSBERGII	EUPHORBIACEAE		HI
1	EUPHORBIA SKOTTSBERGII VAR. VACCINIROIDES	EUPHORBIACEAE		HI
3C	EUPHORBIA STRICTIOR	EUPHORBIACEAE		NM TX
2	EUPHORBIA TELEPHIOIDES	EUPHORBIACEAE		FL
1	EURYA SANDWICENSIS VAR. GRANDIFOLIA	THEACEAE		HI

STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
3C	EURYTAENIA MINCKLEYI	APIACEAE		TX
3C	EUTREMA PENLANDII	BRASSICACEAE		CO
3C	EXOCARPOS GAUDICHAUDII	SANTALACEAE		HI
1	EXOCARPOS LUTEOLUS	SANTALACEAE	HEAU (EXOCARPOS, LEAFY)	HI
2	FEROCACTUS ACANTHODES VAR. ACANTHODES	CACTACEAE		AZ CA, Mexico
5	FEROCACTUS ACANTHODES VAR. EASTWOODIAE	*** SEE ***	FEROCACTUS EASTWOODIAE COMB. NOV. VINED.	
3C	FEROCACTUS EASTWOODIAE /COMB. NOV. INED.	CACTACEAE		AZ
2	FEROCACTUS VIRIDESCENS	CACTACEAE	BARREL CACTUS, SAN DIEGO	CA, Mexico
2	FESTUCA DASYCLADA	POACEAE	FESCUE, SEDGE	CO UT
2	FESTUCA HALLII	POACEAE		CO
2	FESTUCA LIGULATA	POACEAE		TX
3C	FILIPENDULA OCCIDENTALIS	ROSACEAE	QUEEN-OF-THE-FOREST	DR
1	FIMBRISTYLIS PERPUSILLA	CYPERACEAE	FIMBRISTYLIS, HARPER'S	GA MD NC SC
3C	FIMBRISTYLIS SPADICEA	CYPERACEAE		CA NV, Tropical America
1	FLAVERIA MACDOUGALLII	ASTERACEAE		AZ
1	FORESTIERA SEGREGATA VAR. PINETORUM	OLEACEAE		FL
3C	FORSYTHIA PUNGENS VAR. GLABRA	CROSSOSOMATAEAE		CA NV
2	FORSYTHIA TEXENSIS	CELASTRACEAE		TX
3C	FOTHERGILLA GARDENII	HAMAMELIDACEAE	WITCH-ALDER, DWARF	AL FL GA MS NC SC
LE	FRANKENIA JOHNSTONII	FRANKENIACEAE	FRANKENIA, JOHNSTON'S	TX, Mexico (Nuevo Leon)
1	** FRANKLINIA ALATAMAHA	THEACEAE	FRANKLIN TREE	GA
5	FRASERA ALBICAULIS VAR. IDAHOENSIS	*** SEE ***	FRASERA IDAHOENSIS	
2	FRASERA COLORADENSIS	GENTIANACEAE		CO
1	FRASERA GYPSICOLA	GENTIANACEAE	GREEN-GENTIAN,	NV UT
3C	FRASERA IDAHOENSIS	GENTIANACEAE		ID OR
2	FRASERA PAHUTENSIS	GENTIANACEAE	GREEN-GENTIAN,	NV
3C	FRASERA PUBERULENTA	GENTIANACEAE		CA
3C	FRASERA TUBULOSA	GENTIANACEAE		CA
2	FRASERA UMPQUAENSIS	GENTIANACEAE	GREEN-GENTIAN, UMPQUA	CA OR
3C	FRAKINUS ANOMALA VAR. LOWELLII	OLEACEAE	ASH,	AZ
3C	FRAKINUS CUSPIDATA VAR. MACROPETALA	OLEACEAE	ASH,	AZ CA NV NM
3C	FRAKINUS GOODINGII	OLEACEAE	ASH, GOODING'S	AZ, Mexico
2	FREMONTODENDRON DECUMBENS	STERCULIACEAE	FLANMELBUSH, PINE HILL	CA
2	FREMONTODENDRON MEXICANUM	STERCULIACEAE	FRENDNTIA, MEXICAN	CA, Mexico
5B	FRITILLARIA ADAMANTINA	LILIACEAE	MISSION-BELLS, DIAMOND LAKE	OR
2	FRITILLARIA AGRESTIS	LILIACEAE		CA
3C	FRITILLARIA BRANDEGEI	LILIACEAE	FRITILLARY, GREENHORN	CA
2	FRITILLARIA EASTWOODIAE	LILIACEAE	FRITILLARY, BUTTE	CA
2	FRITILLARIA FALCATA	LILIACEAE	FRITILLARY, TALUS	OR
2	FRITILLARIA GENTNERI	LILIACEAE	MISSION-BELLS, GENTNER	CA
2	FRITILLARIA GRAYANA	LILIACEAE	FRITILLARY, RODERICK'S	CA
2	FRITILLARIA LILIACEA	LILIACEAE		CA
2	FRITILLARIA OJAIENSIS	LILIACEAE		CA
5	FRITILLARIA PHAENANTHERA	*** SEE ***	FRITILLARIA EASTWOODIAE	
2	FRITILLARIA PLURIFLORA	LILIACEAE		CA
5	FRITILLARIA RODERICKII	*** SEE ***	FRITILLARIA GRAYANA	
2	FRITILLARIA STRIATA	LILIACEAE	ADOBE-LILY, GREENHORN	CA
2	FRITILLARIA VIRIDEA	LILIACEAE		CA
2	FRYXELLIA PYGMAEA	MALVACEAE		TX MEXICO
1	GAMNIA LANATENSIS	CYPERACEAE		HI
2	GAILLARDIA FLAVA	ASTERACEAE	BLANKETFLOWER, YELLOW	UT
2	GALACTIA EGGERSII	FABACEAE		VI, British V.I.
2	GALACTIA PINETORUM	FABACEAE	MILK-PEA	FL
LE	GALACTIA SMALLII	FABACEAE	MILK-PEA, SMALL'S	FL
3B	GALINSOGA SEMICALVA VAR. PERCALVA	ASTERACEAE		AZ
3C	GALIUM ANDREWSII VAR. GATENSE	RUBIACEAE		CA
2	GALIUM ANGSTIFOLIUM SSP. BORREGOENSE	RUBIACEAE	BEDSTRAW, BORREGO	CA
2	GALIUM BUXIFOLIUM	RUBIACEAE	BEDSTRAW, ISLAND	CA
2	GALIUM CALIFORNICUM SSP. LUCIENSE	RUBIACEAE	BEDSTRAW,	CA
2	GALIUM CALIFORNICUM SSP. PRIMUM	RUBIACEAE	BEDSTRAW, SAN JACINTO	CA
2	GALIUM CALIFORNICUM SSP. SIERRAE	RUBIACEAE	BEDSTRAW, EL DURADO	CA
3C	GALIUM CALIFORNICUM VAR. MIGUELENSE	RUBIACEAE		CA
2	GALIUM CATALINENSE SSP. ACRISPUM	RUBIACEAE	BEDSTRAW, SAN CLEMENTE ISLAND	CA
3C	GALIUM CLEMENTIS	RUBIACEAE	BEDSTRAW, SANTA LUCIA	CA
3C	GALIUM COLLOMAE	RUBIACEAE	BEDSTRAW,	AZ
2	GALIUM CORRELLII	RUBIACEAE		TX
2	GALIUM GLABRESCENS SSP. MODOCENSE	RUBIACEAE	BEDSTRAW, MODOC	CA
2	GALIUM GRANDE	RUBIACEAE	BEDSTRAW,	CA
2	GALIUM HARDHAMIAE	RUBIACEAE	BEDSTRAW, HARDHAM'S	CA
2	GALIUM HILENDIAE SSP. KINGSTONENSE	RUBIACEAE	BEDSTRAW, KINGSTON	CA NV
2	GALIUM HYPOTRICHICUM VAR. TOMENTELLUM	RUBIACEAE		CA
3C	GALIUM SERPENTICUM SSP. SCOTTICUM	RUBIACEAE	BEDSTRAW,	CA
2	GALIUM SERPENTICUM SSP. WARNERENSE	RUBIACEAE		CA
2	GALVEZIA SPECIOSA	SCROPHULARIACEAE	GAMBELIA, SHOWY	CA
LE	GARDENIA BRIGHAMII	RUBIACEAE	NANU	HI
2	GARDENIA WEISSICHI	RUBIACEAE		HI
3C	GAURA DEMAREEI	ONAGRACEAE		AR
1	GAURA NEMEXICANA SSP. COLORADENSIS	ONAGRACEAE		CO WY
5	GAURA VIOLACEA	*** SEE ***	BATESIALVA VIOLACEA	
3C	GAYLUSSACIA BRACHYCERA	ERICACEAE	HUCKLEBERRY, BOX	DE KY MD PA TN VA WV
2	GENISTIDIUM DUMOSUM	FABACEAE		TX, Mexico
5	GENTIANA ALEUTICA	*** SEE ***	GENTIANELLA PROPINQUA SSP. ALEUTICA	
3C	GENTIANA AUSTRORONTANA	GENTIANACEAE		NC TN VA WV



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
3C	GENTIANA AUTUMNALIS	GENTIANACEAE	GENTIAN, PINE BARREN	DE NJ NC SC VA
2	GENTIANA BISECTEA	GENTIANACEAE	GENTIAN,	OR
3B	GENTIANA DELDACHII	GENTIANACEAE	GENTIAN,	GA
3C	GENTIANA FREMONTII	GENTIANACEAE	GENTIAN, MOSS	CA
3C	GENTIANA PENNELLIANA	GENTIANACEAE	GENTIAN, WIREGRASS	FL
9	GENTIANA PORPHYRID	*** SEE ***	GENTIANA AUTUMNALIS	
3C	GENTIANELLA PROPINQUA SSP. ALEUTICA	GENTIANACEAE		AK
1	GEOCARPON MINIMUM	CARYOPHYLLACEAE		AR MO
1	GERANIUM ARBOREUM	GERANIACEAE	GERANIUM, HAWAIIAN, RED-FLOWERED	HI
1	GERANIUM CUNEATUM VAR. HOLOLEUCUM	GERANIACEAE	GERANIUM, NATIVE,	HI
3C	GERANIUM MARGINALE	GERANIACEAE		UT
1	GERANIUM MULTIFLORUM VAR. MULTIFLORUM	GERANIACEAE	GERANIUM, NATIVE,	HI
2	GERANIUM MULTIFLORUM VAR. OVATIFOLIUM	GERANIACEAE	HINA HINA, LARGE-LEAVED	HI
2	GERANIUM MULTIFLORUM VAR. SUPERBUM	GERANIACEAE	GERANIUM, NATIVE	HI
3B	GERANIUM TOQUIMENSE	GERANIACEAE	GERANIUM,	NV
9	GERARDIA ACUTA	*** SEE ***	AGALINIS ACUTA	
9	GERARDIA STENOPHYLLA	*** SEE ***	AGALINIS STENOPHYLLA	
2	GESNERIA PAUCIFLORA	GESNERIACEAE		PR
2	GEUM GENICULATUM	ROSACEAE	AVENS, BENT	NC TN
3C	GEUM PECKII	ROSACEAE	AVENS, MOUNTAIN	NH, Canada
2	GEUM RADIATUM	ROSACEAE	AVENS, SPREADING	NC TN
1	GILIA CAESPITOSA	POLEMONIACEAE	GILIA, RABBIT VALLEY	UT
2	GILIA FORMOSA	POLEMONIACEAE	GILIA, BEAUTIFUL	NM
3C	GILIA MCVICKERAE	POLEMONIACEAE		UT
3C	GILIA NYENSIS	POLEMONIACEAE		NV
3C	GILIA PENTSTEMONOIDES	POLEMONIACEAE		CO
3C	GILIA RIPLEYI	POLEMONIACEAE		CA NV
1	GILIA TENUIFLORA SSP. ARENARIA	POLEMONIACEAE		CA
2	GILIA TENUIFLORA SSP. HOFFMANNII	POLEMONIACEAE	GILIA, SLENDER-FLOWERED, HOFFMAN	CA
2	GILMANIA LUTEOLA	POLYGONACEAE	GOLDEN CARPET	CA
2	GITHOPSIS DIFFUSA SSP. FILICAULIS	CAMPANULACEAE	BLUECUP, MISSION CANYON	CA
3B	GITHOPSIS LATIFOLIA	CAMPANULACEAE	BLUECUP, LAKE ALAMANDOR	CA
PE	GLAUCOCARPUM SUFFRUTESCENS	BRASSICACEAE		UT
2	GLOEOCANTHARELLUS PURPURASCENS	GOMPHACEAE	MUSHROOM, INDIAN CREEK	NC
1	GLYCERIA NUBIGENA	POACEAE	MANNA GRASS, SMOCKY MOUNTAINS	NC TN
2	GNAPHALIUM ORTUSIFOLIUM VAR. SAXICOLA	ASTERACEAE	CATFOOT, ROCK,	WI
3C	GNAPHALIUM SANDWICENSIS VAR. FLAGELLARE	ASTERACEAE	'ENA'ENA, WHIP	HI
2	GNAPHALIUM SANDWICENSIS VAR. MOLDKATENSE	ASTERACEAE	'ENA'ENA	HI
LE	GOETZEA ELEGANS	SOLANACEAE	MATA BUEY	PR
2	GONOCALYX CONCOLOR	ERICACEAE		PR
9	GOSSYPIUM SANDVICENSE	*** SEE ***	GOSSYPIUM TOMENTOSUM	
3C	GOSSYPIUM TOMENTOSUM	MALVACEAE	COTTON, HAWAIIAN	HI
3A	GOUANIA BISHOPII	RHAMNACEAE		HI
3A	GOUANIA CUCULLATA	RHAMNACEAE		HI
1	GOUANIA FAURIEI	RHAMNACEAE		HI
1	GOUANIA GAGNEI	RHAMNACEAE		HI
3A	GOUANIA HAWAIIENSIS	RHAMNACEAE		HI
LE	GOUANIA HILLEBRANDII	RHAMNACEAE		HI
3A	GOUANIA LYOGATEI	RHAMNACEAE		HI
3A	GOUANIA MANNII	RHAMNACEAE		HI
3A	GOUANIA MEYENII	RHAMNACEAE		HI
1	* GOUANIA OLIVERI	RHAMNACEAE		HI
3A	GOUANIA PILATA	RHAMNACEAE		HI
3A	GOUANIA Remyi	RHAMNACEAE		HI
3A	GOUANIA SANDWICHIANA	RHAMNACEAE		HI
3A	GOUANIA THINOPHILA	RHAMNACEAE		HI
1	* GOUANIA VITIFOLIA	RHAMNACEAE		HI
3B	GOULDIA SP. /SP. NOV. INED.	RUBIACEAE	(MT. KAHILI, KAUAI CO.)	HI
2	GOULDIA ST-JOHNII VAR. MUNROI	RUBIACEAE		HI
1	GOULDIA TERMINALIS VAR. BOBEOIDES	RUBIACEAE		HI
1	GOULDIA TERMINALIS VAR. CONGESTA	RUBIACEAE		HI
1	GOULDIA TERMINALIS VAR. CRASSICAULIS	RUBIACEAE		HI
1	GOULDIA TERMINALIS VAR. DEGENERI	RUBIACEAE		HI
1	GOULDIA TERMINALIS VAR. LANAI	RUBIACEAE		HI
2	GOULDIA TERMINALIS VAR. PARVIFOLIA	RUBIACEAE		HI
1	GOULDIA TERMINALIS VAR. PSEUDODICHOTOMA	RUBIACEAE		HI
1	GOULDIA TERMINALIS VAR. PUBESCENS	RUBIACEAE		HI
1	GOULDIA TERMINALIS VAR. QUADRANGULARIS	RUBIACEAE		HI
1	GOULDIA TERMINALIS VAR. ROTUNDIFOLIA	RUBIACEAE		HI
1	GOULDIA TERMINALIS VAR. SUBCORDATA	RUBIACEAE		HI
2	GRAFFENRIEDA OTTOSCHULZII	MELASTOMACEAE	CARASEY, PETITES GRAINES	PR, Dominican Republic, Haiti
2	GRAMMITIS NIMBATA	POLYPODIACEAE		NC, Cuba
2	GRAPTOPETALUM BARTRAMII	CRASSULACEAE		AZ
3C	GRAPTOPETALUM RUSBYI	CRASSULACEAE		AZ NM
2	GRATIOLA HETEROSEPALA	SCROPHULARIACEAE	HEDGE-HYSSOP, BOGGS LAKE	CA OR
3B	GREENELLA DISCOIDEA	ASTERACEAE		AZ
LT	GRINDELIA FRAXINDO-PRATENSIS	ASTERACEAE	SUM-PLANT, ASH MEADOWS	CA NV
3C	GRINDELIA HALLII	ASTERACEAE		CA
2	GRINDELIA HOWELLII	ASTERACEAE		ID MT
2	GRINDELIA MARITIMA	ASTERACEAE	SUMPLANT, SAN FRANCISCO	CA
3C	GRINDELIA ODLEPIS	ASTERACEAE	SUMWEED, PLAINS	TX



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	BRINDELIA STRICTA SSP. BLAKEI	ASTERACEAE		CA
8	GROSSULARIA ECHINELLA	*** SEE ***	RIBES ECHINELLUM	
3C	GUNNERA KAALENSIS	HALORAGACEAE		HI
3C	GUNNERA MAKAHANSIS	HALORAGACEAE		HI
3C	GUTIERREZIA CALIFORNICA	ASTERACEAE	MATCHWEED, BAY	CA
3B	GUTIERREZIA LINOIDES	ASTERACEAE		AZ
3C	GUTIERREZIA SARGOTRAE VAR. POMARIENSIS	ASTERACEAE		UT
3B	GYMNOCARPIUM HETEROSPORUM	POLYPODIACEAE		AK HI MN WI
2	GYMNOPOGON FLORIDANUS	POACEAE		FL
8	HABENARIA FLAVA	*** SEE ***	PLATANThERA FLAVA	
8	HABENARIA GREENEI	*** SEE ***	PLATANThERA UNALASCENSIS SSP. MARITIMA	
8	HABENARIA HOLOCHILA	*** SEE ***	PLATANThERA HOLOCHILA	
8	HABENARIA INTEGRA	*** SEE ***	PLATANThERA INTEGRA	
8	HABENARIA LEUCOPHAEA	*** SEE ***	PLATANThERA LEUCOPHAEA	
8	HABENARIA MARITIMA	*** SEE ***	PLATANThERA UNALASCENSIS SSP. MARITIMA	
8	HABENARIA PERAMONA	*** SEE ***	PLATANThERA PERAMONA	
8	HABENARIA UNALASCENSIS VAR. MARITIMA	*** SEE ***	PLATANThERA UNALASCENSIS SSP. MARITIMA	
2	HACKELIA BREVICULA	BORAGINACEAE	STICKSEED, POISON CANYON	CA
1	HACKELIA CRONQUISTII	BORAGINACEAE	STICKSEED, CRONQUIST'S	OR
3C	HACKELIA DAVISII	BORAGINACEAE	STICKSEED, DAVIS'	ID
3C	HACKELIA HISPIDA	BORAGINACEAE		ID OR WA
2	HACKELIA IBAPENSIS	BORAGINACEAE	STICKSEED,	UT
3C	HACKELIA OPHTHOBIA	BORAGINACEAE	STICKSEED,	NV OR
8	HACKELIA PATENS VAR. SEMIGLABRA	*** SEE ***	HACKELIA CRONQUISTII	
3C	HACKELIA SMARSMITHII	BORAGINACEAE		CA NV
2	HACKELIA VENUSTA	BORAGINACEAE	STICKSEED, SHOWY	WA
3C	HALIMOLOBUS PERPLEXA VAR. LEMHIENSIS	BRASSICACEAE		ID
2	HALIMOLOBUS PERPLEXA VAR. PERPLEXA	BRASSICACEAE		ID
3C	HALIMOLOBUS VIRGATA	BRASSICACEAE	HALIMOLOBUS, VIRGATE	CA
3C	HAPLOPAPPUS ABERRANS	ASTERACEAE		ID
2	HAPLOPAPPUS ALPINUS	ASTERACEAE		NV
8	HAPLOPAPPUS BRICKELLIIDIS	*** SEE ***	HAZARDIA BRICKELLIIDIS	
8	HAPLOPAPPUS CANUS	*** SEE ***	HAZARDIA CANA	
8	HAPLOPAPPUS CARTHAGINENSIS VAR. MAXIMUS	*** SEE ***	HAPLOPAPPUS RADIATUS	
3C	HAPLOPAPPUS CERVINUS	ASTERACEAE		AZ NV UT
3B	HAPLOPAPPUS CONTRACTUS	ASTERACEAE	GOLDENWEED,	WY
8	HAPLOPAPPUS EASTWOODIAE	*** SEE ***	ERICANERIA FASCICULATA	
3C	HAPLOPAPPUS EXIMIUS	ASTERACEAE		CA NV
2	HAPLOPAPPUS FREMONTII SSP. MONOCEPHALUS	ASTERACEAE	GOLDENWEED,	CO
3C	HAPLOPAPPUS HALLII	ASTERACEAE		OR WA
2	HAPLOPAPPUS INSECTICRURIS	ASTERACEAE		ID
8	HAPLOPAPPUS INTEGRIFOLIUS SSP. INSECTICRURIS	*** SEE ***	HAPLOPAPPUS INSECTICRURIS	
2	HAPLOPAPPUS LIATRIFORMIS	ASTERACEAE		ID WA
3C	HAPLOPAPPUS OPHITIDIS	ASTERACEAE	MACRONEMA, SERPENTINE	CA
2	HAPLOPAPPUS PALMERI SSP. PALMERI	ASTERACEAE		CA, Mexico
3C	HAPLOPAPPUS RACEMOSUS SSP. CONGESTUS	ASTERACEAE		CA OR
2	HAPLOPAPPUS RADIATUS	ASTERACEAE	GOLDENWEED,	ID OR
3C	HAPLOPAPPUS SALICINUS	ASTERACEAE	GOLDENWEED,	AZ
3C	HAPLOPAPPUS SCOPULORUM	ASTERACEAE		AZ UT
3C	HAPLOPAPPUS SPINULOSUS SSP. LAEVIS	ASTERACEAE		NM
2	HAPLOPAPPUS UNIFLORUS SSP. GOSSYPINUS	ASTERACEAE	GOLDEN-ASTER, BEAR VALLEY	CA
3C	HAPLOPAPPUS WATSONII	ASTERACEAE		NV
1	* HAPLOSTACHYS BRYANII	LAMIACEAE		HI
LE	* HAPLOSTACHYS HAPLOSTACHYA VAR. ANGUSTIFOLIA	LAMIACEAE		HI
1	* HAPLOSTACHYS HAPLOSTACHYA VAR. HAPLOSTACHYA	LAMIACEAE		HI
1	* HAPLOSTACHYS HAPLOSTACHYA VAR. LEPTOSTACHYA	LAMIACEAE		HI
1	* HAPLOSTACHYS LINEARIFOLIA	LAMIACEAE		HI
1	* HAPLOSTACHYS MUNROI	LAMIACEAE		HI
1	* HAPLOSTACHYS TRUNCATA	LAMIACEAE		HI
LE	HARPEROCALLIS FLAVA	LILIACEAE	HARPER'S BEAUTY	FL
8	HARRISIA PORTORICENSIS	*** SEE ***	CEREUS PORTORICENSIS	
2	HARTWRIGHTIA FLORIDANA	ASTERACEAE	HARTWRIGHTIA	FL OR
1	HASTINGSIA BRACTEOSA	LILIACEAE		OR
3C	HAZARDIA BRICKELLIIDIS	ASTERACEAE		CA NV
2	HAZARDIA CANA	ASTERACEAE	HAZARDIA, ISLAND	CA, Mexico (Baja California Norte)
2	HAZARDIA ORCUTTII	ASTERACEAE	HAZARDIA, ORCUTT'S	CA, Mexico
3B	HECTIA TEXENSIS	BROMELIACEAE		TX
LT	HEDEOMA APICULATUM	LAMIACEAE	PENNYROYAL, MCKITTRICK	NM TX
3C	HEDEOMA DENTATUM	LAMIACEAE		AZ
3C	HEDEOMA DIFFUSUM	LAMIACEAE	PENNYROYAL, FLAGSTAFF	AZ
1	HEDEOMA GRAVEOLENS	LAMIACEAE	PENNYROYAL, MOCK	FL
3C	HEDEOMA MOLLE	LAMIACEAE		TX
3C	HEDEOMA NANUM VAR. CALIFORNICUM	LAMIACEAE		AZ CA NV
2	HEDEOMA PILOSUM	LAMIACEAE	PENNYROYAL, OLD BLUE	TX
3C	HEDEOMA PULCHERRIMUM	LAMIACEAE		NM
LE	HEDEOMA TODGENII	LAMIACEAE	PENNYROYAL, TODGEN'S	NM
1	* HEDYOTIS ANGUSTA VAR. ANGUSTA	RUBIACEAE		HI
1	* HEDYOTIS ANGUSTA VAR. UMBROSA	RUBIACEAE	HEDYOTIS, NARROW-LEAVED	HI



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
3A	HEDYOTIS COOKIANA	RUBIACEAE		HI
1	* HEDYOTIS CORIACEA	RUBIACEAE	KIO'ELE	HI
1	HEDYOTIS DEGENERI	RUBIACEAE		HI
2	HEDYOTIS ELATIOR VAR. ELATIOR	RUBIACEAE		HI
1	HEDYOTIS ELATIOR VAR. HERBACEA	RUBIACEAE		HI
2	HEDYOTIS FLUVIATILIS VAR. KAUAIENSIS	RUBIACEAE		HI
1	* HEDYOTIS FOLIOSA	RUBIACEAE		HI
2	HEDYOTIS FORNOSA	RUBIACEAE		HI
2	HEDYOTIS GLAUCIFOLIA VAR. HELLERI	RUBIACEAE		HI
1	HEDYOTIS LITTORALIS	RUBIACEAE		HI
2	HEDYOTIS MANNII	RUBIACEAE		HI
2	HEDYOTIS NIGRICANS VAR. PULVINATA	RUBIACEAE	DIAMONDFLOWERS,	FL
1	HEDYOTIS PARVULA	RUBIACEAE		HI
2	HEDYOTIS PURPUREA VAR. MONTANA	RUBIACEAE		NC
1	* HEDYOTIS REMYI VAR. NUTTALLII	RUBIACEAE		HI
1	HEDYOTIS REMYI VAR. PLANA	RUBIACEAE		HI
9	HEDYOTIS SCHLECHTENDAHLIANA VAR. NUTTALLII	*** SEE ***	HEDYOTIS REMYI VAR. NUTTALLII.	HI
9	HEDYOTIS SCHLECHTENDAHLIANA VAR. PLANA	*** SEE ***	HEDYOTIS REMYI VAR. PLANA	
1	HEDYOTIS SCHLECHTENDAHLIANA VAR. RETICULATA	RUBIACEAE		HI
1	HEDYOTIS ST.-JOHNII	RUBIACEAE	HEDYOTIS, NA PALI BEACH	HI
1	* HEDYOTIS THYRSOIDEA	RUBIACEAE		HI
3C	HEDYSARUM BOREALE VAR. BREMIALE	FABACEAE		UT
2	HEDYSARUM OCCIDENTALE VAR. CANONE	FABACEAE		UT
3C	HEIMIA LONGIPES	LYTHRACEAE		TX
3C	HELENIUM ARIZONICUM	ASTERACEAE		AZ
2	HELENIUM VIRGINICUM	ASTERACEAE		VA
2	HELIANTHELLA CASTANEA	ASTERACEAE	ROCK-ROSE, DIABLO	CA
3C	HELIANTHEMUM DUMOSUM	CISTACEAE	ROCK-ROSE, BUSHY	CT MA NY RI
2	HELIANTHEMUM GREENEI	CISTACEAE	RUSH-ROSE, ISLAND	CA
2	HELIANTHEMUM SUFFRUTESCENS	CISTACEAE	RUSH-ROSE, AMADOR	CA
2	HELIANTHUS CARNOSUS	ASTERACEAE		FL
1	HELIANTHUS DEBILIS SSP. VESTITUS	ASTERACEAE		FL
3C	HELIANTHUS DESERTICOLA	ASTERACEAE		AZ NV UT
2	HELIANTHUS EGGERTII	ASTERACEAE		AL KY NC TN
3C	HELIANTHUS EXILIS	ASTERACEAE	SUNFLOWER, SERPENTINE	CA
2	HELIANTHUS GLAUCOPHYLLUS	ASTERACEAE		NC TN
3B	HELIANTHUS LACINIATUS SSP. CRENATUS	ASTERACEAE		NM
3B	HELIANTHUS LUDENS	ASTERACEAE	GOLDENEYE, FIELD	TX
2	HELIANTHUS NIVEUS SSP. TEPHRODES	ASTERACEAE	SUNFLOWER, DESERT	CA, Mexico
1	* HELIANTHUS NUTTALLII SSP. PARISHII	ASTERACEAE	SUNFLOWER, LOS ANGELES	CA
1	HELIANTHUS PARADOXUS	ASTERACEAE	SUNFLOWER,	NM TX
2	HELIANTHUS PRAECOX SSP. HIRTUS	ASTERACEAE		TX
3A	HELIANTHUS PRAETERMISSUS	ASTERACEAE		NM
1	HELIANTHUS SCHWEINITZII	ASTERACEAE		NC SC
2	HELIANTHUS SMITHII	ASTERACEAE		AL GA
9	HELIOMERIS SOLICEPS	*** SEE ***	VIGUIERA SOLICEPS	
1	HELIOTROPIMUM GUANICENSE	BORAGINACEAE	COTORRILLA	PR
2	HELIOTROPIMUM POLYPHYLLUM VAR. HORIZONTALIS	BORAGINACEAE		FL
2	HELONIAS BULLATA	LILIACEAE	SWAMP-PINK,	DE GA MD NJ NY NC SC VA
1	HEMIZONIA ARIDA	ASTERACEAE	TARWEED, RED ROCK	CA
2	HEMIZONIA CONJUGENS	ASTERACEAE	TARWEED, OTAY	CA
2	HEMIZONIA FLORIBUNDA	ASTERACEAE	TARWEED, TECATE	CA, Mexico
3C	HEMIZONIA HALLIANA	ASTERACEAE	TARWEED, HALL'S	CA
2	HEMIZONIA MINTHORNII	ASTERACEAE	TARWEED, SANTA SUSANA	CA
1	* HEMIZONIA MOHAVENSIS	ASTERACEAE	TARWEED, MAJAVE	CA
2	HEMIZONIA MULTICAULIS SSP. MULTICAULIS	ASTERACEAE		CA
2	HEMIZONIA MULTICAULIS SSP. VERNALIS	ASTERACEAE		CA
2	HERITIERA LONGIPETIOLATA	STERCULIACEAE	UFA-HALONTANO	SU, Rotz, Saipan
3B	HERMIDIUM ALIPES VAR. PALLIDUM	NYCTAGINACEAE		CO UT
1	HESPEROCHIDE SANDWICENSIS	URTICACEAE		HI
3C	HESPEROLINDON ADENOPHYLLUM	LINACEAE	DWARF-FLAX, GLANDULAR	CA
3C	HESPEROLINDON BICARPELLATUM	LINACEAE	DWARF-FLAX, TWO CARPEL	CA
2	HESPEROLINDON BREWERI	LINACEAE	DWARF-FLAX, BREWER'S	CA
1	HESPEROLINDON CONGESTUM	LINACEAE	DWARF-FLAX, MARIN	CA
2	HESPEROLINDON DIDYMOCARPUM	LINACEAE	DWARF-FLAX, LAKE COUNTY	CA
3C	HESPEROLINDON DRYMARIODES	LINACEAE	DWARF-FLAX, DRYMARIA	CA
1	HESPEROMANNIA ARBORESCENS	ASTERACEAE	HESPEROMANNIA, LANAI	HI
1	HESPEROMANNIA ARBUSCULA	ASTERACEAE	HESPEROMANNIA, MAUI	HI
1	HESPEROMANNIA LYDSATEI	ASTERACEAE	HESPEROMANNIA, KAUAI	HI
9	HETEROTHECA FLEXUOSA	*** SEE ***	PITYOPSIS FLEXUOSA	
9	HETEROTHECA FLORIDANA	*** SEE ***	CHRYSOPSIS FLORIDANA	
2	HETEROTHECA JONESII	ASTERACEAE	GOLDEN-ASTER, JONES	UT
9	HETEROTHECA RUTHII	*** SEE ***	PITYOPSIS RUTHII	
3C	HEUCHERA AMERICANA VAR. HISPIDA	SAXIFRAGACEAE	ALUMROOT,	VA WV
9	HEUCHERA ARKANSANA	*** SEE ***	HEUCHERA VILLOSA VAR. ARKANSANA	
2	HEUCHERA BREVISTAMINEA	SAXIFRAGACEAE	HEUCHERA, LAGUNA	CA
3C	HEUCHERA DURANII	SAXIFRAGACEAE	HEUCHERA, DURAN'S	CA NV
9	HEUCHERA HISPIDA	*** SEE ***	HEUCHERA AMERICANA VAR. HISPIDA	
2	HEUCHERA MAXIMA	SAXIFRAGACEAE	ALUMROOT, ISLAND	CA
1	HEUCHERA MISSOURIENSIS	SAXIFRAGACEAE		MO



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2	HEUCHERA VILLOSA VAR. ARKANSANA	SAXIFRAGACEAE		AR
3C	HEXALECTRIS GRANDIFLORA	ORCHIDACEAE	HEXALECTRIS, GREENMAN'S	TX, Mexico
2	HEXALECTRIS NITIDA	ORCHIDACEAE		TX
2	HEXALECTRIS REVOLUTA	ORCHIDACEAE		TX, Mexico
2	HEXASTYLIS CONTRACTA	ARISTOLOCHIACEAE		KY NC TN
2	HEXASTYLIS LEWISII	ARISTOLOCHIACEAE	HEARTLEAF,	NC VA
1	HEXASTYLIS NANIFLORA	ARISTOLOCHIACEAE	HEARTLEAF, DWARF-FLOWERED	NC SC
3C	HEXASTYLIS SPECIOSA	ARISTOLOCHIACEAE	HEARTLEAF, HARPER'S	AL
3A	HIBISCADELPHUS BOMBYCINUS	MALVACEAE		HI
PE	HIBISCADELPHUS DISTANS	MALVACEAE	HAU KUAHIWI, KAUAI	HI
1	** HIBISCADELPHUS GIFFARDIANUS	MALVACEAE	HAU KUAHIWI, KILAUEA	HI
1	HIBISCADELPHUS HUALALAIENSIS	MALVACEAE	HAU KUAHIWI, HUALALAI	HI
3A	HIBISCADELPHUS WILDERANUS	MALVACEAE		HI
1	HIBISCUS BRACKENRIDGEI	MALVACEAE	HIBISCUS, NATIVE YELLOW	HI
2	HIBISCUS CALIFORNICUS	MALVACEAE	HIBISCUS, CALIFORNIA	CA
1	HIBISCUS CLAYI	MALVACEAE	HIBISCUS, CLAY'S	HI
2	HIBISCUS DASYCALYX	MALVACEAE	ROSE-MALLOW, NECHES RIVER	TX
1	HIBISCUS IMMACULATUS	MALVACEAE	HIBISCUS, WHITE MOLOKAI	HI
3C	HIBISCUS KAHILII	MALVACEAE	HIBISCUS,	HI
2	HIBISCUS KOKIO VAR. KOKIO	MALVACEAE	PUALALO, KOKI'O 'ULA 'ULA	HI
2	HIBISCUS KOKIO VAR. PUKOONIS	MALVACEAE		HI
1	HIBISCUS NEWHOUSEI	MALVACEAE		HI
2	HIBISCUS ROEATAE	MALVACEAE		HI
2	HIBISCUS SAINT-JOHNIANUS	MALVACEAE		HI
3C	HIBISCUS WAINERE	MALVACEAE		HI
3C	HIERACIUM LONGIBERBE	ASTERACEAE		OR WA
PE	HOFFMANNSEGGIA TENELLA	FABACEAE	RUSH-PEA, SLENDER	TX
1	HOLOCARPHA MACRADENIA	ASTERACEAE	TARWEED, SANTA CRUZ	CA
2	HORKELIA HENDERSONII	ROSACEAE		OR
3C	HORKELIA TRUNCATA	ROSACEAE		CA
2	HORKELIA TULARENSIS	ROSACEAE		CA
2	HORKELIA WILDERAE	ROSACEAE	HORKELIA, WILDER'S	CA
3B	HOUSTONIA CAERULEA VAR. FAXONORUM	RUBIACEAE	BLUET, ALPINE	NH, St. Pierre & Miquelon
9	HOUSTONIA MONTANA	*** SEE ***	HEDYOTIS PURPUREA VAR. MONTANA	
9	HOUSTONIA NIGRICANS VAR. PULVINATA	*** SEE ***	HEDYOTIS NIGRICANS VAR. PULVINATA	
9	HOUSTONIA PULVINATA	*** SEE ***	HEDYOTIS NIGRICANS VAR. PULVINATA	
2	HOWELLIA AQUATILIS	CAMPANULACEAE		CA ID MT OR WA
9	HUDSONIA ERICOIDES SSP. MONTANA	*** SEE ***	HUDSONIA MONTANA	
LT	HUDSONIA MONTANA	CISTACEAE	GOLDEN-HEATHER, MOUNTAIN	NC
3C	HULSEA CALIFORNICA	ASTERACEAE		CA
9	HULSEA INYOENSIS	*** SEE ***	HULSEA VESTITA SSP. INYOENSIS	
3C	HULSEA VESTITA SSP. INYOENSIS	ASTERACEAE	HULSEA, INYO	CA NV
3C	HYDRASTIS CANADENSIS	RANUNCULACEAE	GOLDENSEAL	AL AR CT DE GA IL IN KY MD MI MN MS MO NE NY NC OH PA TN VT VA WV WI, Canada
3C	HYDROPHYLLUM CAPITATUM VAR. THOMPSONII	HYDROPHYLLACEAE	WATERLEAF, BALLHEAD, THOMPSON'S	OR WA
2	HYMENOCELLIS CORONARIA	LILIACEAE	SPIDER-LILY,	AL GA SC
3C	HYMENOCELLIS LATIFOLIA	LILIACEAE		FL, Bahamas, Cayman Islands, Cuba, Hispaniola, Jamaica
3C	HYMENOPAPPUS FILIFOLIUS VAR. IDAHOENSIS	ASTERACEAE		ID
3C	HYMENOPAPPUS FILIFOLIUS VAR. TOMENTOSUS	ASTERACEAE	HYMENOPAPPUS, COBWEB	UT
2	HYMENOPHYLLUM TUNBRIGENSE	HYMENOPHYLLACEAE		SC, Europe
1	HYMENOXYIS ACALUIS VAR. GLARRA	ASTERACEAE	DAISY, LAKESIDE	IL OH, Canada (Ont.)
2	HYMENOXYIS DEPRESSA	ASTERACEAE		UT
2	HYMENOXYIS HELENIODES	ASTERACEAE		AZ CO UT
3C	HYMENOXYIS QUINQUESQUAMATA	ASTERACEAE		AZ
3C	HYMENOXYIS SUBINTEGRA	ASTERACEAE		AZ
PE	HYMENOXYIS TEXANA	ASTERACEAE	BITTERWEED, TEXAS	TX
3C	HYMENOXYIS TURNERI	ASTERACEAE		TX
1	HYPERICUM CUMULICOLA	HYPERICACEAE	ST. JOHN'S-WORT, HIGHLANDS SCRUB	FL
1	HYPERICUM EDISONIANUM	HYPERICACEAE	ASCYRUM, EDISON'S	FL
2	HYPERICUM LISSOPHLOEUS	HYPERICACEAE		FL
3C	HYPERICUM SPHAEROCARPUM VAR. TURBIDUM	HYPERICACEAE	ST. JOHN'S-WORT,	AL KY TN
9	HYPOPITYS CALIFORNICUS	*** SEE ***	PITYOPUS CALIFORNICUS	
3C	HYPOXIS LONGII	LILIACEAE	STAR-GRASS,	AR LA OK TX VA
2	HYSTRIX CALIFORNICA	POACEAE	GRASS, BOTTLEBRUSH, CALIFORNIA	CA
2	ILEX AMELANCHIER	AQUIFOLIACEAE	HOLLY,	AL FL GA LA MS NC SC
2	ILEX COLLINA	AQUIFOLIACEAE	HOLLY, LONG-STALKED	NC VA WV
1	ILEX COOKII	AQUIFOLIACEAE	TE	PR
3C	ILEX OPACA VAR. ARENICOLA	AQUIFOLIACEAE		FL
PE	ILIAMNA COREI	MALVACEAE		VA
2	ILIAMNA REMOTA	MALVACEAE	GLOBE-MALLOW, KANKAKEE	IL IN VA
9	ILIAMNA REMOTA VAR. COREI	*** SEE ***	ILIAMNA COREI	
2	ILLICIAM PARVIFLORUM	ILLICACEAE		FL
3C	IPOMOEA CAIRICA VAR. LINEARILoba	CONVOLVULACEAE		HI
3C	IPOMOEA CARDIOPHYLLA	CONVOLVULACEAE		TX
3B	IPOMOEA EGREGIA	CONVOLVULACEAE	MORNING-GLORY,	AZ NH
1	IPOMOEA KRUBII	CONVOLVULACEAE	MORNING-GLORY, KRAUS'S WHITE	PR
2	IPOMOEA LEMMONII	CONVOLVULACEAE	MORNING-GLORY, LEMMON'S	AZ
3C	IPOMOPSIS GLOBULARIS	POLEMONIACEAE		CO



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2	IPOMOPSIS POLYANTHA	POLEMONIACEAE		CO
2	IPOMOPSIS POLYANTHA VAR. POLYANTHA	POLEMONIACEAE		CO
1	IRIS LACUSTRIS	IRIDACEAE	IRIS,	MI WI, Canada (Ont.)
3C	IRIS TENAX SSP. KLAMATHENSIS	IRIDACEAE	IRIS,	CA
3B	IRIS TENAX VAR. GORMANII	IRIDACEAE	IRIS,	OR
3C	IRIS TENUIS	IRIDACEAE	IRIS, CLACKAMAS	OR
1	ISCHAEMUM BYRONE	POACEAE		HI
1	ISODENDRION FORBESII	VIOLACEAE	AUPAKA,	HI
3A	ISODENDRION HAWAIIENSE	VIOLACEAE	MAHINE-NOHO-KULA	HI
3A	ISODENDRION HILLEBRANDII	VIOLACEAE	AUPAKA,	HI
1	ISODENDRION HOSAKAE	VIOLACEAE	AUPAKA,	HI
3A	ISODENDRION LANAIENSE	VIOLACEAE	AUPAKA,	HI
1	ISODENDRION LAURIFOLIUM	VIOLACEAE	AUPAKA,	HI
1	ISODENDRION LONGIFOLIUM	VIOLACEAE	AUPAKA,	HI
1	* ISODENDRION LYDGATEI	VIOLACEAE	AUPAKA,	HI
3C	ISODENDRION MACULATUM	VIOLACEAE	AUPAKA,	HI
1	* ISODENDRION MDLOKAIENSE	VIOLACEAE	AUPAKA,	HI
1	* ISODENDRION PYRIFOLIUM	VIOLACEAE	AUPAKA,	HI
3A	ISODENDRION RHYMI	VIOLACEAE	AUPAKA,	HI
1	ISODENDRION SUBSESSILIFOLIUM	VIOLACEAE	AUPAKA,	HI
1	* ISODENDRION WAIANAENSE	VIOLACEAE	AUPAKA,	HI
3C	ISOETES BOLANDERI VAR. PYGMAEA	ISOETACEAE		AZ CA
2	ISOETES EATONII	ISOETACEAE	QUILLWORT, EATON'S	CT MA NH NJ NY, Canada (Ont.)
3C	ISOETES FLACCIDA	ISOETACEAE		FL GA
3B	ISOETES FOVEOLATA	ISOETACEAE	QUILLWORT, PITTED	CT MA NH
3C	ISOETES LITHOPHYLLA	ISOETACEAE	QUILLWORT, ROCK	TX
2	ISOETES LOUISIANENSIS	ISOETACEAE	QUILLWORT, LOUISIANA	GA LA
2	ISOETES MELANDSPORA	ISOETACEAE		GA SC
3C	ISOETES ORCUTTII	ISOETACEAE		CA
2	ISOETES TEGETIFORMANS	ISOETACEAE		GA NC
2	ISOETES VIRGINICA	ISOETACEAE	QUILLWORT,	NC SC VA
LE	ISOTRIA MEDEOLOIDES	ORCHIDACEAE	WHORLED POGONIA, SMALL	CT IL ME MD MA MI MO NH NJ NY NC PA RI SC VT VA, Canada (Ont.)
3C	IVESIA ARGYROCOMA	ROSACEAE	IVESIA, SILVER-HAIRED	CA
2	IVESIA CALLIDA	ROSACEAE	IVESIA, TAHQUITZ	CA
3	IVESIA CORYMBOSA	*** SEE ***	IVESIA PANICULATA	
2	IVESIA CRYPTOCAULIS	ROSACEAE		NV
LT	IVESIA EREMOICA	ROSACEAE	IVESIA, ASH MEADOWS	NV
3	IVESIA MULTIFOLIOLATA	*** SEE ***	POTENTILLA MULTIFOLIOLATA	
2	IVESIA PANICULATA	ROSACEAE	IVESIA, ASH CREEK	CA
3C	IVESIA PICKERINGII	ROSACEAE	IVESIA, PICKERING	CA
2	IVESIA RHYPARA	ROSACEAE	IVESIA, BRIMY	NV OR
2	JACQUEMONTIA CURTISSII	CONVOLVULACEAE	JACQUEMONTIA, PINELAND	FL
2	JACQUEMONTIA RECLINATA	CONVOLVULACEAE		FL
2	JAMESIANTHUS ALABAMENSIS	ASTERACEAE	JAMESIANTHUS, ALABAMA	AL
2	JACQUINIA UMBELLATA	THEOPHRASTACEAE		PR, Hispaniola
3C	JOINVILLEA ASCENDENS SSP. ASCENDENS	FLAGELLARIACEAE	'DHE	HI
2	JUGLANS HINDSII	JUGLANDACEAE	WALNUT, NORTHERN CALIFORNIA BLACK	CA
2	JUNCUS CAESARIENSIS	JUNCACEAE	RUSH, NEW JERSEY	MD NJ VA
3C	JUNCUS GYMNOCARPUS	JUNCACEAE	RUSH,	AL FL MS NC PA SC TN
1	JUNCUS LEIOSPERMUS VAR. AMARTII /INED.	JUNCACEAE	RUSH,	CA
2	JUNCUS LEIOSPERMUS VAR. LEIOSPERMUS /INED.	JUNCACEAE	RUSH, RED BLUFF	CA
3A	JUNCUS PERVETUS	JUNCACEAE	RUSH, BOG, BARNSTABLE	MA
3B	JUNCUS SLMOOKDORUM	JUNCACEAE		AK
2	JUNCUS TRIFIDUS SSP. CAROLINIANUS	JUNCACEAE		NC NY TN VA
1	JUSTICIA BORINDUENSIS	ACANTHACEAE		PR
1	JUSTICIA COOLEYI	ACANTHACEAE	WATER-WILLOW, COOLEY'S	FL
2	JUSTICIA CRASSIFOLIA	ACANTHACEAE	WATER-WILLOW, THICK-LEAVED	FL
1	JUSTICIA CULEBRITAE	ACANTHACEAE		PR, British V.I.
3B	JUSTICIA MORTUIFLUMINIS	ACANTHACEAE	WATER-WILLOW,	VA
2	JUSTICIA RUNYONII	ACANTHACEAE		TX, Mexico
3C	JUSTICIA WARNOCKII	ACANTHACEAE		TX
3C	JUSTICIA WRIGHTII	ACANTHACEAE		TX
2	KALLSTROEMIA PERENNANS	ZYGOPHYLLACEAE		TX
1	KALMIA CUNEATA	ERICACEAE	WHITE-WICKY	NC SC
3C	KALMIOPSIS LEACHIANA	ERICACEAE		OR
3	KOANOPHYLLON DROSEROLEPIS	*** SEE ***	EUPATORIUM DROSEROLEPIS	
LE	KOKIA COOKEI	MALVACEAE	KOKIO, COOKE'S	HI
LE	KOKIA DRYNARIOIDES	MALVACEAE	HAU-HELE'ULA (TREE COTTON, HAWAIIAN)	HI
2	KOKIA KAUIENSIS	MALVACEAE	KOKI'O, KAUAI	HI
3A	KOKIA LANCEOLATA	MALVACEAE	KOKI'O,	HI
2	KOSTELETZKYA SMILACIFOLIA	MALVACEAE		AL FL
3A	LABORDIA BAILLONII	LOGANIACEAE		HI
2	LABORDIA CYRTANDRAE VAR. NAHIKUANA	LOGANIACEAE		HI
2	LABORDIA DECURRENS VAR. DECURRENS	LOGANIACEAE		HI
1	LABORDIA FAGRAEIDEA VAR. FAGRAEIDEA	LOGANIACEAE	KAKAKAHALA	HI
1	* LABORDIA FAGRAEIDEA VAR. LONGISEPALA	LOGANIACEAE		HI
2	LABORDIA FAGRAEIDEA VAR. SAINT-JOHNIANA	LOGANIACEAE		HI
1	LABORDIA FAGRAEIDEA VAR. WAIANAENA	LOGANIACEAE		HI
2	LABORDIA SLABRA	LOGANIACEAE		HI

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1	LABORDIA HEDYOSMIFOLIA VAR. KILAUERNA	LOGANIACEAE		HI
1	LABORDIA HEDYOSMIFOLIA VAR. MAGNIFOLIA	LOGANIACEAE		HI
1	LABORDIA HEDYOSMIFOLIA VAR. ROBUSTA	LOGANIACEAE		HI
1	LABORDIA HEDYOSMIFOLIA VAR. ROCKII	LOGANIACEAE		HI
1	LABORDIA HEDYOSMIFOLIA VAR. SKOTTSSBERGII	LOGANIACEAE		HI
1	LABORDIA HIRTELLA VAR. IMBRICATA	LOGANIACEAE		HI
1	LABORDIA HIRTELLA VAR. LAEVIS	LOGANIACEAE		HI
1	LABORDIA HIRTELLA VAR. LAEVISEPALA	LOGANIACEAE		HI
1	* LABORDIA HIRTELLA VAR. MICROCALYX	LOGANIACEAE		HI
1	* LABORDIA HIRTELLA VAR. MICROPHYLLA	LOGANIACEAE		HI
1	* LABORDIA KAALAE VAR. BRACHYPODA	LOGANIACEAE		HI
1	LABORDIA KAALAE VAR. FOSBERGII	LOGANIACEAE		HI
1	* LABORDIA KAALAE VAR. KAUAIENSIS	LOGANIACEAE		HI
1	LABORDIA KAALAE VAR. MENDAX	LOGANIACEAE		HI
2	LABORDIA LYDGATEI	LOGANIACEAE		HI
1	LABORDIA MEXBRANACEA	LOGANIACEAE	KAKAKAHALA	HI
1	* LABORDIA MOLOKAIANA VAR. MOLOKAIANA	LOGANIACEAE		HI
1	LABORDIA MOLOKAIANA VAR. MUNROI	LOGANIACEAE		HI
1	LABORDIA MOLOKAIANA VAR. SETOSA	LOGANIACEAE		HI
2	LABORDIA NELSONII	LOGANIACEAE		HI
1	* LABORDIA OLYMPIANA	LOGANIACEAE		HI
1	* LABORDIA PALLIDA	LOGANIACEAE		HI
1	* LABORDIA PEDUNCULATA	LOGANIACEAE		HI
2	LABORDIA TINIFOLIA VAR. EUPHORBIOIDEA	LOGANIACEAE		HI
1	* LABORDIA TINIFOLIA VAR. FORBESII	LOGANIACEAE		HI
1	* LABORDIA TINIFOLIA VAR. HONDULUENSIS	LOGANIACEAE		HI
2	LABORDIA TINIFOLIA VAR. LANAIENSIS	LOGANIACEAE		HI
1	LABORDIA TINIFOLIA VAR. MICROBYNA	LOGANIACEAE		HI
1	* LABORDIA TINIFOLIA VAR. PARVIFOLIA	LOGANIACEAE		HI
1	LABORDIA TINIFOLIA VAR. TENUIFOLIA	LOGANIACEAE		HI
2	LABORDIA TRIFLORA	LOGANIACEAE		HI
2	LABORDIA MAWRANA	LOGANIACEAE		HI
3C	LACHNOCAULON BEYRICHIANUM	ERIOCAULACEAE		FL GA NC SC
2	LACHNOCAULON DIGYNUM	ERIOCAULACEAE		AL FL LA MS
5	LAPHAMIA CERNUA	*** SEE ***	PERITYLE CERNUA	
2	LAPLACEA FORTORICENSIS	THEACEAE	NINO DE COTA (MARICAD VERDE)	PR, Hispaniola
2	LASTHENIA BURKEI	ASTERACEAE	GOLDFIELDS, BURKE'S	CA
2	LASTHENIA CONJUGENS	ASTERACEAE	GOLDFIELDS, CONTRA COSTA	CA
2	LASTHENIA LEPTALEA	ASTERACEAE	BAERIA, SALINAS VALLEY	CA
2	LASTHENIA MACRANTHA SSP. PRISCA	ASTERACEAE		OR
3C	LASTHENIA MINOR SSP. MARITIMA	ASTERACEAE	GOLDFIELDS, SEASIDE	CA OR WA, Canada (B.C.)
2	LATHYRUS BIFLORUS	FABACEAE		CA
3C	LATHYRUS HITCHCOCKIANUS	FABACEAE	WILD PEA, BULLFROG MOUNTAIN	CA NV
2	LATHYRUS HOLZCHLORUS	FABACEAE		OR
2	LATHYRUS JEPSONII SSP. JEPSONII	FABACEAE	TULE-PEA, DELTA	CA
5	LAVATERA ASSURGENTIFLORA	*** SEE ***	LAVATERA ASSURGENTIFLORA SSP.	
3C	LAVATERA ASSURGENTIFLORA SSP. ASSURGENTIFLORA	*** SEE ***	ASSURGENTIFLORA	
2	LAVATERA ASSURGENTIFLORA SSP. MALVACEAE	*** SEE ***	MALVA ROSA	CA
2	LAYIA DISCOIDEA	ASTERACEAE	TIDYTIPS; RAYLESS	CA
2	LAYIA JONESII	ASTERACEAE	LAYIA, JONES	CA
2	LAYIA LEUCOPAPPA	ASTERACEAE	LAYIA, COMANCHE	CA
1	LAYIA ZIEGLERI	ASTERACEAE		CA
2	LEAVENWORTHIA ALABAMICA VAR. ALABAMICA	BRASSICACEAE		AL
2	LEAVENWORTHIA ALABAMICA VAR. BRACHYSTYLA	BRASSICACEAE	GLADE CRESS,	AL
3C	LEAVENWORTHIA AUREA	BRASSICACEAE	GLADE CRESS, GOLDEN	OK TX
2	LEAVENWORTHIA CRASSA VAR. CRASSA	BRASSICACEAE	GLADE CRESS,	AL
2	LEAVENWORTHIA CRASSA VAR. ELONGATA	BRASSICACEAE	GLADE CRESS,	AL
2	LEAVENWORTHIA EXIGUA VAR. EXIGUA	BRASSICACEAE		AL GA TN
1	LEAVENWORTHIA EXIGUA VAR. LACINIATA	BRASSICACEAE	GLADE CRESS,	KY
2	LEAVENWORTHIA EXIGUA VAR. LUTEA	BRASSICACEAE	GLADE CRESS,	AL TN
3C	LEAVENWORTHIA STYLOSA	BRASSICACEAE		AL TN
3C	LEAVENWORTHIA TORULOSA	BRASSICACEAE	GLADE CRESS, NECKLACE	AL KY TN
2	LECHEA CERNUA	CISTACEAE		FL
2	LECHEA DIVARICATA	CISTACEAE		FL
2	LECHEA LAELAE	CISTACEAE		FL
3C	LECHEA MARITIMA VAR. VIRGINICA	CISTACEAE	PINWEED, BEACH, VIRGINIAN	VA
2	LECHEA MENSALIS	CISTACEAE	PINWEED,	TX MEXICO
2	LEGENERE LIMOSA	CAMPANULACEAE	LEGENERE	CA
5	LEIBERGIA DROGENDIODES	*** SEE ***	TAUSCHIA TENUISSIMA	
3C	LEITNERIA FLORIDANA	LEITNERIACEAE		AR FL GA MD TX
5	LENDOPHYLLUM TEXANUM	*** SEE ***	SEDUM TEXANUM	
3C	LEPANTHES DDDIANA	ORCHIDACEAE		PR
1	LEPANTHES ELTORDENSIS	ORCHIDACEAE		PR
2	LEPANTHOPSIS MELANANTHA	ORCHIDACEAE	ORCHID, TINY	FL, Cuba, Dominican Republic, Haiti, Jamaica
2	LEPECHINIA CARDIOPHYLLA	LAMIACEAE		CA
2	LEPECHINIA BANDERI	LAMIACEAE		CA
1	* LEPIDIUM ARBUSCULUM	BRASSICACEAE		HI
1	LEPIDIUM BARNESYANUM	BRASSICACEAE	PEPPER CRESS, BARNEY	UT
3C	LEPIDIUM BIDENTATUM VAR. O-WAIHIENSE	BRASSICACEAE	ANAUNAU,	HI
1	* LEPIDIUM BIDENTATUM VAR. REMYI	BRASSICACEAE	ANAUNAU, REMY'S	HI
2	LEPIDIUM DAVISII	BRASSICACEAE	PEPPER CRESS, DAVIS	IO OR



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	LEPIDIUM FLAVUM VAR. FELIPENSE	BRASSICACEAE	PEPPER-GRASS, BORREGO VALLEY	CA
2	LEPIDIUM MONTANUM VAR. NEEGERAE	BRASSICACEAE		UT
1	LEPIDIUM MONTANUM VAR. STELLAE	BRASSICACEAE		UT
3C	LEPIDIUM NANUM	BRASSICACEAE		NV
2	LEPIDIUM OSTLERI	BRASSICACEAE		UT
1	LEPIDIUM SERRA	BRASSICACEAE	ANAUNAU	HI
2	LEPIDOSPARTUM BURGESSII	ASTERACEAE		NM TX
5	LEPTOCEREUS QUADRICOSTATUS	*** SEE ***	CEREUS QUADRICOSTATUS	
3C	LEPTODACTYLON HAZELAE	POLEMONIACEAE		OR
2	LEPTODACTYLON JAEBERI	POLEMONIACEAE		CA
5	LEPTOGRAMMA PILOSA VAR. ALABAMENSIS	*** SEE ***	THELYPTERIS PILOSA VAR. ALABAMENSIS	
1	LESPEDEIA LEPTOSTACHYA	FABACEAE	BUSH-CLOVER, PRAIRIE	IL IA MN WI
3C	LESQUERELLA ANGSTIFOLIA	BRASSICACEAE	BLADDERPOD, THREAD-LEAVED	OK TX
3B	LESQUERELLA ARCTICA VAR. SCAMMANAE	BRASSICACEAE		AK
3C	LESQUERELLA AUREA	BRASSICACEAE	BLADDERPOD, GOLDEN	NM
3C	LESQUERELLA CARINATA	BRASSICACEAE	BLADDERPOD, KEELD	ID MT WY
2	LESQUERELLA CONDENSATA	BRASSICACEAE		CO
3C	LESQUERELLA DENSIPILA	BRASSICACEAE	BLADDERPOD, DUCK RIVER	AL TN
1	LESQUERELLA FILIFORMIS	BRASSICACEAE	BLADDERPOD,	MO
3C	LESQUERELLA FREMONTII	BRASSICACEAE	BLADDERPOD, FREMONT'S	WY
3C	LESQUERELLA GARRETTII	BRASSICACEAE	BLADDERPOD, GARRETT	UT
2	LESQUERELLA GLOBOSA	BRASSICACEAE	BLADDERPOD, SHORT'S	IN KY TN
3B	LESQUERELLA GOODINGII	BRASSICACEAE	BLADDERPOD,	AZ NM
3C	LESQUERELLA HITCHCOCKII	BRASSICACEAE	BLADDERPOD,	NV
2	LESQUERELLA KAIBABENSIS	BRASSICACEAE		AZ
1	LESQUERELLA KINGII SSP. BERNARDINA	BRASSICACEAE	BLADDERPOD,	CA
3C	LESQUERELLA KINGII SSP. DIVERSIFOLIA	BRASSICACEAE	BLADDERPOD,	OR
3B	LESQUERELLA LATA	BRASSICACEAE	BLADDERPOD,	NM
3C	LESQUERELLA LESCURI	BRASSICACEAE		AL TN
2	LESQUERELLA LYRATA	BRASSICACEAE	BLADDERPOD, LYRATE	AL
3C	LESQUERELLA MACROCARPA	BRASSICACEAE	BLADDERPOD, LARGE-FRUITED	WY
3C	LESQUERELLA MCVAUGHIANA	BRASSICACEAE	BLADDERPOD,	TX
2	LESQUERELLA PALLIDA	BRASSICACEAE		TX
2	LESQUERELLA PARVIFLORA	BRASSICACEAE		CO
1	LESQUERELLA PERFORATA	BRASSICACEAE	BLADDERPOD, SPRING CREEK	TN
2	LESQUERELLA PRUINOSA	BRASSICACEAE	BLADDERPOD,	CO
3C	LESQUERELLA RUBICUNDULA	BRASSICACEAE	BLADDERPOD, BRYCE	UT
1	LESQUERELLA STONENSIS	BRASSICACEAE	BLADDERPOD, STONES RIVER	TN
2	LESQUERELLA THANNOPHILA	BRASSICACEAE	BLADDERPOD,	TX
2	LESQUERELLA TUMULOSA	BRASSICACEAE	BLADDERPOD,	UT
3C	LESQUERELLA VALIDA	BRASSICACEAE	BLADDERPOD, STRONG	NM TX
1	LESSINGIA BERMANDRUM VAR. BERMANDRUM	ASTERACEAE	LESSINGIA, SAN FRANCISCO	CA
2	LESSINGIA GLANDULIFERA VAR. TOMENTOSA	ASTERACEAE	LESSINGIA, WARNER SPRINGS	CA
3C	LEWISIA CANTELOWII	PORTULACACEAE	LEWISIA, CANTELOW'S	CA
3C	LEWISIA COLUMBIANA VAR. WALLWENSIS	PORTULACACEAE		ID MT OR
3C	LEWISIA CONGDONII	PORTULACACEAE		CA
2	LEWISIA COTYLEDON SSP. /SSP. NOV. INED.	PORTULACACEAE	LEWISIA, FRINGED	CA
2	LEWISIA COTYLEDON VAR. HECKNERI	PORTULACACEAE	LEWISIA, HECKNER'S	CA
2	LEWISIA COTYLEDON VAR. HOWELLII	PORTULACACEAE	LEWISIA, HOWELL'S	CA OR
2	LEWISIA COTYLEDON VAR. PURDYI	PORTULACACEAE		OR
3C	LEWISIA DISSEPALA	PORTULACACEAE	BITTERROOT, YOSEMITE	CA
2	LEWISIA MAGUIREI	PORTULACACEAE		NV
3C	LEWISIA OPPOSITIFOLIA	PORTULACACEAE		CA OR
2	LEWISIA PYGMAEA SSP. LONGIPETALA	PORTULACACEAE	LEWISIA, LONG-PETALED	CA
2	LEWISIA SERRATA	PORTULACACEAE	LEWISIA, SAW-TOOTHED	CA
2	LEWISIA STEBBINSII	PORTULACACEAE	LEWISIA, STEBBINS	CA
3C	LEWISIA TWEEDYI	PORTULACACEAE		WA, Canada (B.C.)
3C	LIATRIS CYMOSA	ASTERACEAE		TX
2	LIATRIS HELLERI	ASTERACEAE		NC
1	LIATRIS OHLINGERAE	ASTERACEAE	BLAZINGSTAR,	FL
2	LIATRIS PROVINCIALIS	ASTERACEAE	BLAZINGSTAR, GODFREY'S	FL
3C	LIATRIS TENUIS	ASTERACEAE		TX
3B	LIGUSTICUM PORTERI VAR. BREVILOBUM	APIACEAE		UT
2	LILAEOPSIS CAROLINENSIS	APIACEAE		AL FL GA LA MS NC SC VA
2	LILAEOPSIS MASONII	APIACEAE		CA
2	LILAEOPSIS RECURVA	APIACEAE		AZ
3C	LILIUM BOLANDERII	LILIACEAE		CA OR
2	LILIUM FAIRCHILDII	LILIACEAE		CA
2	LILIUM GRAYI	LILIACEAE	LILY, GRAY'S	NC TN VA
2	LILIUM IRIDOLLAE	LILIACEAE	LILY, PANHANDLE	AL FL
2	LILIUM OCCIDENTALE	LILIACEAE	LILY, WESTERN	CA OR
2	LILIUM PARRYI	LILIACEAE		AZ CA
1	LILIUM PITKINENSE	LILIACEAE	LILY, PITKIN MARSH	CA
3C	LILIUM VOLLMERI	LILIACEAE	LILY, VOLLMER	CA OR
3B	LILIUM WASHINGTONIANUM VAR. MINUS	LILIACEAE		CA
3C	LILIUM WIGGINSII	LILIACEAE	LILY, WIGGINS	CA OR
2	LIMNANTHES BAKERI	LIMNANTHACEAE	MEADOWFOAM, BAKER'S	CA
2	LIMNANTHES DOUGLASII VAR. SULPHUREA	LIMNANTHACEAE	MEADOWFOAM, PT. REYES	CA
2	LIMNANTHES FLOCCOSA SSP. BELLINGERANA	LIMNANTHACEAE	MEADOWFOAM, BELLINGER'S	CA OR
1	LIMNANTHES FLOCCOSA SSP. CALIFORNICA	LIMNANTHACEAE		CA
2	LIMNANTHES FLOCCOSA SSP. GRANDIFLORA	LIMNANTHACEAE	MEADOWFOAM, WOOLLY, LARGE-FLOWERED	OR
1	LIMNANTHES FLOCCOSA SSP. PUMILA	LIMNANTHACEAE	MEADOWFOAM, WOOLLY, DWARF	OR
2	LIMNANTHES GRACILIS VAR. GRACILIS	LIMNANTHACEAE		OR

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2	LIMNANTHES GRACILIS VAR. PARISHII	LIMNANTHACEAE	MEADOWFOAM, PARISH'S	CA
2	LIMNANTHES VINCULANS	LIMNANTHACEAE	MEADOWFOAM, SEBASTOPO	CA
3B	LIMONIUM CAROLINIANUM VAR. ANGUSTATUM	PLUMBAGINACEAE	SEA-LAVENDER,	FL
3C	LIMONIUM LIMBATUM	PLUMBAGINACEAE		AZ NM TX
2	LIMOSELLA PUBIFLORA	SCROPHULARIACEAE	MUSWORT,	AZ
3C	LINANTHUS ARENICOLA	POLEMONIACEAE		CA NV, Mexico (Baja California)
3C	LINANTHUS BELLUS	POLEMONIACEAE	DESERT BEAUTY	CA, Mexico
2	LINANTHUS HARKNESSII SSP. CONDENSATUS	POLEMONIACEAE		CA
2	LINANTHUS KILLIPII	POLEMONIACEAE	LINANTHUS, BALDWIN LAKE	CA
2	LINANTHUS MACULATUS	POLEMONIACEAE	LINANTHUS, SAN BERNARDINO MT., LITTLE	CA
2	LINANTHUS ORCUTTII	POLEMONIACEAE	LINANTHUS, ORCUTT	CA
9	LINANTHUS ORCUTTII SSP. PACIFICUS	*** SEE ***	LINANTHUS ORCUTTII	
PE	LINDERA MELISSIFOLIA	LAURACEAE		AL AR FL GA LA MS MO NC
2	LINDERA SUBCORIACEA	LAURACEAE		SC
1	* LINDERNIA SAXICOLA	SCROPHULARIACEAE	FALSE PIMPERNEL,	LA MS NC
2	LINUM ARENICOLA	LINACEAE	FLAX, SAND	GA NC
1	LINUM CARTERI VAR. CARTERI	LINACEAE	FLAX,	FL
1	LINUM CARTERI VAR. SMALLII	LINACEAE	FLAX,	FL
2	LINUM MACROCARPUM	LINACEAE	FLAX,	AL
2	LINUM SULCATUM VAR. HARPERI	LINACEAE		AL FL GA
2	LINUM WESTII	LINACEAE	FLAX, WEST'S	FL GA
3B	LIPOCHAETA ALATA VAR. ALATA	ASTERACEAE	NEHE,	HI
1	* LIPOCHAETA BRYANII	ASTERACEAE	NEHE, BRYAN'S	HI
1	* LIPOCHAETA DEGENERI	ASTERACEAE	NEHE, SMALL-LEAVED	HI
5	LIPOCHAETA DELTOIDEA	*** SEE ***	LIPOCHAETA SUBCORDATA	HI
3B	LIPOCHAETA DUBIA	ASTERACEAE		HI
3B	LIPOCHAETA EXISUA	ASTERACEAE	NEHE, LESSER	HI
1	* LIPOCHAETA FAURIEI	ASTERACEAE	NEHE, FAURIE	HI
3B	LIPOCHAETA FLEXUOSA	ASTERACEAE	NEHE, FLEXUOUS	HI
3B	LIPOCHAETA FORBESII VAR. FORBESII	ASTERACEAE	NEHE, FORBES	HI
3C	LIPOCHAETA HETEROPHYLLA VAR. HETEROPHYLLA	ASTERACEAE		HI
3B	LIPOCHAETA HETEROPHYLLA VAR. MALVACEA	ASTERACEAE		HI
3B	LIPOCHAETA HETEROPHYLLA VAR. MOLOKAIENSIS	ASTERACEAE		HI
3B	LIPOCHAETA INTEGRIFOLIA VAR. ARGENTERA	ASTERACEAE		HI
3B	LIPOCHAETA INTEGRIFOLIA VAR. GRACILIS	ASTERACEAE	NEHE,	HI
3B	LIPOCHAETA INTEGRIFOLIA VAR. MAJOR	ASTERACEAE	NEHE,	HI
3B	LIPOCHAETA INTEGRIFOLIA VAR. MEGACEPHALA	ASTERACEAE	NEHE,	HI
3B	LIPOCHAETA INTERMEDIA	ASTERACEAE		HI
3B	LIPOCHAETA KAHOLAWEENSIS	ASTERACEAE	NEHE,	HI
1	LIPOCHAETA KAMOLENSIS	ASTERACEAE		HI
3B	LIPOCHAETA LAVARUM VAR. CONFERTA	ASTERACEAE		HI
3B	LIPOCHAETA LAVARUM VAR. HILLEBRANDIANA	ASTERACEAE		HI
3B	LIPOCHAETA LAVARUM VAR. LONGIFOLIA	ASTERACEAE	NEHE,	HI
3B	LIPOCHAETA LAVARUM VAR. MANELEANA	ASTERACEAE		HI
3B	LIPOCHAETA LAVARUM VAR. OVATA	ASTERACEAE		HI
3B	LIPOCHAETA LAVARUM VAR. SALICIFOLIA	ASTERACEAE	NEHE,	HI
3B	LIPOCHAETA LAVARUM VAR. SKOTTSBERGII	ASTERACEAE	NEHE,	HI
3B	LIPOCHAETA LAVARUM VAR. STEARNsii	ASTERACEAE		HI
3B	LIPOCHAETA LOBATA VAR. ALBESCENS	ASTERACEAE	NEHE,	HI
3B	LIPOCHAETA LOBATA VAR. APREVALIANA	ASTERACEAE	NEHE,	HI
3B	LIPOCHAETA LOBATA VAR. GROSSEDENTATA	ASTERACEAE		HI
3B	LIPOCHAETA LOBATA VAR. HASTULATA	ASTERACEAE	NEHE,	HI
2	LIPOCHAETA LOBATA VAR. HASTULATOIDES	ASTERACEAE		HI
1	LIPOCHAETA LOBATA VAR. LEPTOPHYLLA	ASTERACEAE	NEHE,	HI
3C	LIPOCHAETA LOBATA VAR. LOBATA	ASTERACEAE	NEHE, LOBED,	HI
3B	LIPOCHAETA LOBATA VAR. MAKENENSIS	ASTERACEAE		HI
3B	LIPOCHAETA LOBATA VAR. MAUNALOENSIS	ASTERACEAE	NEHE, LOBED, MAUNA LOA	HI
1	LIPOCHAETA MICRANTHA	ASTERACEAE		HI
3B	LIPOCHAETA MINUSCULA	ASTERACEAE		HI
1	* LIPOCHAETA OVATA	ASTERACEAE		HI
1	* LIPOCHAETA PERDITA	ASTERACEAE	NEHE,	HI
3B	LIPOCHAETA POPULIFOLIA	ASTERACEAE	NEHE,	HI
3B	LIPOCHAETA POROPHILA	ASTERACEAE		HI
3B	LIPOCHAETA PROFUSA VAR. PROFUSA	ASTERACEAE	NEHE, MANY-FLOWERED	HI
3B	LIPOCHAETA PROFUSA VAR. ROBUSTIOR	ASTERACEAE	NEHE,	HI
3C	LIPOCHAETA REMYI	ASTERACEAE	NEHE, REMY'S	HI
3C	LIPOCHAETA ROCKII	ASTERACEAE	NEHE, ROCK'S	HI
3B	LIPOCHAETA ROCKII VAR. DISSECTA	ASTERACEAE	NEHE,	HI
3B	LIPOCHAETA ROCKII VAR. SUBOVATA	ASTERACEAE	NEHE,	HI
3B	LIPOCHAETA SCABRA	ASTERACEAE		HI
3B	LIPOCHAETA SUBCORDATA VAR. MEMBRANACEA	ASTERACEAE	NEHE,	HI
5	LIPOCHAETA SUBCORDATA VAR. POPULIFOLIA	*** SEE ***	LIPOCHAETA POPULIFOLIA	
3B	LIPOCHAETA SUCCULENTA VAR. ANGUSTATA	ASTERACEAE	NEHE,	HI
3C	LIPOCHAETA SUCCULENTA VAR. SUCCULENTA	ASTERACEAE	NEHE,	HI
3B	LIPOCHAETA SUCCULENTA VAR. TRIFIDA	ASTERACEAE	NEHE,	HI
1	LIPOCHAETA TENUIFOLIA	ASTERACEAE	NEHE, SLENDER-LEAVED	HI
2	LIPOCHAETA TENUIS	ASTERACEAE		HI
3B	LIPOCHAETA TRILOBATA	ASTERACEAE		HI
LE	LIPOCHAETA VENOSA	ASTERACEAE	NEHE,	HI



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1	LIPCHAETA WAIMEAENSIS	ASTERACEAE		HI
2	LISTERA AURICULATA	ORCHIDACEAE	TWAYBLADE, AURICLED	ME MI MN NH NY VT WI, Canada (Lab., N.B., Nfld., Ont., Que.) CA
1	LITHOPHRAGMA MAXIMUM	SAXIFRAGACEAE	WOODLAND STAR, SAN CLEMENTE ISLAND	CA
9	LITHOSPERMUM DRUMMONDII	*** SEE ***	MERTENSIA DRUMMONDII	
3C	LITSEA AESTIVALIS	LAURACEAE	PONDSPICE	FL GA NC SC TN VA TN
2	LOBELIA APPENDICULATA VAR. GATTINGERI	CAMPANULACEAE		AL DE FL GA NC NJ SC HI
2	LOBELIA BOYKINII	CAMPANULACEAE	LOBELIA, BOYKIN'S	
1	LOBELIA DUNBARIAE	CAMPANULACEAE		HI
9	LOBELIA GATTINGERI	*** SEE ***	LOBELIA APPENDICULATA VAR. GATTINGERI	
1	LOBELIA GAUDICHAUDII VAR. KODLAUENSIS	CAMPANULACEAE		HI
1	LOBELIA HILLEBRANDII VAR. MONDSTACHYA	CAMPANULACEAE		HI
2	LOBELIA HYPOLEUCA VAR. ROCKII	CAMPANULACEAE		HI
1	LOBELIA NIHAUENSIS	CAMPANULACEAE		HI
1	LOBELIA OAHUENSIS	CAMPANULACEAE		HI
3A	LOBELIA REMYI	CAMPANULACEAE		HI
1	LOBELIA TORTUOSA	CAMPANULACEAE		HI
3C	LOEFLINGIA SQUARROSA SSP. ARTEMISIARUM	CARYOPHYLLACEAE		CA
2	LOMATIUM ATTENUATUM	APIACEAE		WY
1	LOMATIUM BRADSHAWII	APIACEAE	DESERT-PARSLEY, BRADSHAW	OR
2	LOMATIUM CONCINNUM	APIACEAE		CO
1	LOMATIUM CONGDONII	APIACEAE	LOMATIUM, CONGDON'S	CA
3C	LOMATIUM CUSPIDATUM	APIACEAE		WA
2	LOMATIUM ERYTHROCARPUM	APIACEAE	DESERT-PARSLEY, RED-FRUITED	OR
3C	LOMATIUM FOENICULACEUM SSP. INYDENSE	APIACEAE	LOMATIUM, INYO	CA ID
1	LOMATIUM GREENMANII	APIACEAE	DESERT-PARSLEY, GREENMAN'S	OR
3C	LOMATIUM HENDERSONII	APIACEAE		OR WA
3C	LOMATIUM HOWELLII	APIACEAE	LOMATIUM, HOWELL'S	CA OR
2	LOMATIUM LAEVIATUM	APIACEAE		OR WA
2	LOMATIUM LATILOBUM	APIACEAE		CO UT
3C	LOMATIUM MINIMUM	APIACEAE		UT
3C	LOMATIUM MINUS	APIACEAE	DESERT-PARSLEY, DAY VALLEY	OR
2	LOMATIUM NELSONIANUM	APIACEAE		OR
2	LOMATIUM OREGANUM	APIACEAE		OR
9	LOMATIUM OROBENTOIDES	*** SEE ***	TAUSCHIA TENUISSIMA	
2	LOMATIUM PECKIANUM	APIACEAE	LOMATIUM, PECK'S	CA OR
3C	LOMATIUM QUINTIFLEX	APIACEAE		WA
3C	LOMATIUM RAVENII	APIACEAE	DESERT-PARSLEY, LASSEN	CA ID NV OR UT
3C	LOMATIUM RIGIDUM	APIACEAE	LOMATIUM, BIG PINE	CA
2	LOMATIUM ROLLINSII	APIACEAE		ID OR WA
3C	LOMATIUM SERPENTINUM	APIACEAE		ID OR WA
2	LOMATIUM STEBBINSII	APIACEAE		CA
2	LOMATIUM SUKSDORFII	APIACEAE	DESERT-PARSLEY, SUKSDORF'S	OR WA
3C	LOMATIUM THOMPSONII	APIACEAE		WA
2	LOMATIUM TUBEROSUM	APIACEAE	DESERT-PARSLEY, HOOVER'S	WA
2	LOTUS ARBOPHYLLUS SSP. ARBUREUS	FABACEAE	HOSACKIA, SILVER, SAN CLEMENTE IS.	CA
2	LOTUS ARBOPHYLLUS SSP. NIVEUS	FABACEAE	HOSACKIA, SILVER, SANTA CRUZ ISLAND	CA, Mexico
LE	LOTUS DENDROIDEUS SSP. TRASKIAE	FABACEAE	BROOM, SAN CLEMENTE ISLAND	CA
3C	LOTUS NUTTALLIANUS	FABACEAE	HOSACKIA, PROSTRATE	CA, Mexico
9	LOTUS SCOPARIUS SSP. TRASKIAE	*** SEE ***	LOTUS DENDROIDEUS SSP. TRASKIAE	
1	LUNA SERPENTINA	ASTERACEAE		OR
9	LUPINUS ABORTIVUS	*** SEE ***	LUPINUS CUSICKII SSP. ABORTIVUS	
2	LUPINUS ANTONINUS	FABACEAE		CA
2	LUPINUS ARBOREUS VAR. EXIMIUS	FABACEAE	TREE LUPINE, SAN MATEO	CA
1	LUPINUS ARIDORUM	FABACEAE		FL
2	LUPINUS ARIDUS SSP. ASHLANDENSIS	FABACEAE		OR
9	LUPINUS ARIDUS VAR. ABORTIVUS	*** SEE ***	LUPINUS CUSICKII SSP. ABORTIVUS	
2	LUPINUS BIDDLEI	FABACEAE		OR
3C	LUPINUS BURKEI SSP. CAERULEOMONTANUS	FABACEAE		OR
3C	LUPINUS CERVINUS	FABACEAE	LUPINE, SANTA LUCIA	CA
2	LUPINUS CITRINUS	FABACEAE		CA
9	LUPINUS CITRINUS VAR. DEFLEXUS	*** SEE ***	LUPINUS DEFLEXUS	
2	LUPINUS CONSTANCI	FABACEAE	LUPINE, LASSICS	CA
2	LUPINUS CRASSUS	FABACEAE		CO
2	LUPINUS CULBERTSONII SSP. CULBERTSONII	FABACEAE		CA
2	LUPINUS CUSICKII	FABACEAE		OR
3C	LUPINUS CUTLERI	FABACEAE		AZ
2	LUPINUS DALESIAE	FABACEAE		CA
9	LUPINUS DEDECKERAE	*** SEE ***	LUPINUS PADRE-CROWLEYI	
2	LUPINUS DEFLEXUS	FABACEAE	LUPINE, MARIPOSA	CA
2	LUPINUS DURANII	FABACEAE		CA
2	LUPINUS EXCUBITUS VAR. MEDIUS	FABACEAE		CA
9	LUPINUS EXIMIUS	*** SEE ***	LUPINUS ARBOREUS VAR. EXIMIUS	
2	LUPINUS GUADALUPENSIS	FABACEAE	LUPINE, GUADALUPE ISLAND	CA, Mexico
3C	LUPINUS HOLMBRENIANUS	FABACEAE	LUPINE, HOLMBREN	CA NV
9	LUPINUS HUMBOLDTIENSIS /SP. NOV. INED.	*** SEE ***	LUPINUS CONSTANCI	
3C	LUPINUS INYDENSIS	FABACEAE		CA
3C	LUPINUS JONESII	FABACEAE		UT
2	LUPINUS LUDOVICIANUS	FABACEAE	LUPINE, SAN LUIS	CA
2	LUPINUS MAGNIFICUS VAR. MAGNIFICUS	FABACEAE	LUPINE, PANARINT MOUNTAINS	CA
3C	LUPINUS MALACOPHYLLUS	FABACEAE		NV
9	LUPINUS MARIANUS	*** SEE ***	LUPINUS SERVICEUS SSP. MARIANUS	

STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	LUPINUS MILO-BAKERI	FABACEAE	LUPINE, MILO BAKER	CA
3C	LUPINUS MONTIGENUS VAR. MONTIGENUS	FABACEAE		CA NV
3B	LUPINUS MUCRONULATUS	FABACEAE		OR
2	LUPINUS NIPOMENSIS	FABACEAE	LUPINE, NIPOMO MESA	CA
2	LUPINUS PADRE-CROWLEYI	FABACEAE	LUPINE, DEDECKER'S	CA
3C	LUPINUS PEIRSONII	FABACEAE		CA
3C	LUPINUS SABINII	FABACEAE		OR WA
3C	LUPINUS SERICATUS	FABACEAE	LUPINE, COBB MOUNTAIN	CA
3C	LUPINUS SERVICEUS SPP. MARIANUS	FABACEAE		UT
2	LUPINUS SPECTABILIS	FABACEAE	LUPINE, SHAGGY HAIR	CA
2	LUPINUS TIDESTROMII VAR. LAYNEAE	FABACEAE	LUPINE, POINT REYES	CA
1	LUPINUS TIDESTROMII VAR. TIDESTROMII	FABACEAE	LUPINE, TIDESTROM	CA
3C	LUPINUS TRACYI	FABACEAE	LUPINE, TRACY'S	CA OR
3C	LUPINUS WESTIANUS	FABACEAE	LUPINE, GULFCOAST	FL
3C	LUZULA HAWAIIENSIS VAR. OAHUENSIS	JUNCACEAE		HI
2	LYCIUM BERBERIODES	SOLANACEAE		TX
1	* LYCIUM HASBEI	SOLANACEAE	DESERT-THORN, SANTA CATALINA	CA
3C	LYCIUM TEXANUM	SOLANACEAE		TX
1	* LYCIUM VERRUCOSUM	SOLANACEAE	DESERT-THORN, SAN NICOLAS	CA, Mexico
2	LYCOPODIUM HALEAKALAE	LYCOPODIACEAE		HI
1	LYCOPODIUM MANNII	LYCOPODIACEAE		HI
2	LYCOPODIUM NUTANS	LYCOPODIACEAE		HI
3B	LYCOPODIUM PORTORICENSE	LYCOPODIACEAE	CLUBMOSS,	PR
2	LYGODESMIA DOLORESENSIS	ASTERACEAE		CO
2	LYGODESMIA ENTRADA	ASTERACEAE	SKELETONPLANT, ENTRADA	CO UT
3C	LYGODESMIA GRANDIFLORA VAR. STRICTA	ASTERACEAE		UT
2	LYONOTHAMNUS FLORIBUNDUS SPP. ASPLENIFOLIUS	ROSACEAE	IRONWOOD, FERN-LEAVED	CA
2	LYONOTHAMNUS FLORIBUNDUS SPP. FLORIBUNDUS	ROSACEAE	IRONWOOD, CATALINA	CA
3C	LYSILOMA MICROPHYLLA VAR. THORNDERI	FABACEAE		AZ
1	LYSIMACHIA ASPERULAEFOLIA	PRIMULACEAE		NC SC
5	LYSIMACHIA CILIATA	*** SEE ***	STEIRONEMA LAEVISSIMUM	
2	LYSIMACHIA FILIFOLIA	PRIMULACEAE		HI
1	LYSIMACHIA HILLEBRANDII VAR. HILLEBRANDII	PRIMULACEAE	PUA-HEKILI	HI
1	LYSIMACHIA KALALAUENSIS	PRIMULACEAE		HI
2	LYSIMACHIA OVATA	PRIMULACEAE		HI
2	LYSIMACHIA SP. /SP. NOV. INED.	PRIMULACEAE	(WAIHOI VALLEY, MAUI CO.)	HI
2	LYTHRUM CURTISII	LYTHRACEAE		FL GA
2	LYTHRUM FLAGELLARE	LYTHRACEAE		FL
3C	LYTHRUM OVALIFOLIUM	LYTHRACEAE		TX
2	MACHAERANDEA ALBA	LAMIACEAE	BIRDS-IN-A-NEST, WHITE	FL
3B	MACHAERANDEA AMMOPHILA	ASTERACEAE		CA NV
3B	MACHAERANDEA ARIZONICA	ASTERACEAE		AZ
3C	MACHAERANDEA AUREA	ASTERACEAE	MACHAERANDEA, HOUSTON	TX
3C	MACHAERANDEA CANESCENS VAR. ZIEGLERI	ASTERACEAE		CA
5	MACHAERANDEA COGNATA	*** SEE ***	XYLORHIZA COGNATA	
5	MACHAERANDEA GLABRIUSCULA VAR. CONFERTIFOLIA	*** SEE ***	XYLORHIZA CONFERTIFOLIA	
3C	MACHAERANDEA GRINDELIOIDES VAR. DEPRESSA	ASTERACEAE		AZ NV UT
3C	MACHAERANDEA KINGII	ASTERACEAE		UT
2	MACHAERANDEA LAGUNENSIS	ASTERACEAE	ASTER, LAGUNA MOUNTAINS	CA
3C	MACHAERANDEA LEUCANTHEMIFOLIA	ASTERACEAE		CA NV
3C	MACHAERANDEA MUCRONATA	ASTERACEAE		AZ
5	MACHAERANDEA ORCUTTII	*** SEE ***	XYLORHIZA ORCUTTII	
2	MADIA HALLII	ASTERACEAE		CA
3C	MADIA STEBBINSII	ASTERACEAE		CA
3C	MAGNOLIA ASHEI	MAGNOLIACEAE	MAGNOLIA, ASHE'S	FL
2	MAHONIA NERVOSA VAR. MENDOCINENSIS	BERBERIDACEAE	BARBERRY, MENDOCINO	CA
1	MAHONIA KEVINII	BERBERIDACEAE	BARBERRY, NEVIN'S	CA
2	MAHONIA PINNATA SPP. INSULARIS	BERBERIDACEAE	BARBERRY, ISLAND	CA
LE	MAHONIA SONNEI	BERBERIDACEAE	BARBERRY, TRUCKEE	CA
1	* MALACOTHAMNUS ABBOTTII	MALVACEAE	BUSH-MALLOW, ABBOTT'S	CA
LE	MALACOTHAMNUS CLEMENTINUS	MALVACEAE	BUSH-MALLOW, SAN CLEMENTE ISLAND	CA
2	MALACOTHAMNUS FASCICULATUS VAR. NESIOTICUS	MALVACEAE	BUSH-MALLOW, SANTA CRUZ ISLAND	CA
1	* MALACOTHAMNUS MENDOCINENSIS	MALVACEAE	BUSH-MALLOW, MENDOCINO	CA
2	MALACOTHAMNUS PALMERI VAR. INVOLUCRATUS	MALVACEAE	BUSH-MALLOW, CARMEL VALLEY	CA
2	MALACOTHAMNUS PALMERI VAR. LUCIANUS	MALVACEAE	BUSH-MALLOW, ARROYO SECO	CA
3C	MALACOTHAMNUS PALMERI VAR. PALMERI	MALVACEAE	BUSH-MALLOW, PALMER	CA
2	MALACOTHAMNUS PARISHII	MALVACEAE	BUSH-MALLOW, PARISH'S	CA
2	MALACOTHAMNUS SAIATILIS VAR. ARACHNOIDEA	ASTERACEAE	MALACOTHAMNUS, CARMEL VALLEY	CA
1	MALPIGHIA INFESTISSIMA	MALPIGHACEAE	STINGINGBUSH	VI
5	MALPIGHIA PALLENS	*** SEE ***	MALPIGHIA INFESTISSIMA	
5	MAMMILLARIA LEEI	*** SEE ***	CORYPHANTHA SNEEDII VAR. LEEI	
5	MAMMILLARIA NELLIEAE	*** SEE ***	CORYPHANTHA MINIMA	
3C	MAMMILLARIA ORESTERA	CACTACEAE		AZ
5	MAMMILLARIA SNEEDII	*** SEE ***	CORYPHANTHA SNEEDII VAR. SNEEDII	
PT	MAMMILLARIA THORNDERI	CACTACEAE		AZ, Mexico
5	MAMMILLARIA TOBUSCHII	*** SEE ***	ANCISTROCACTUS TOBUSCHII	
3C	MANIHOT DAVISIAE	EUPHORBIACEAE		AZ



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
1	MANIHOT WALKERAE	EUPHORBIACEAE		TX, Mexico
9	MANISURIS TUBERCULOSA	*** SEE ***	COELORACHIS TUBERCULOSA	
2	MARGARANTHUS LEMMONII	SOLANACEAE		AZ
2	MARINA ORCUTTII VAR. ORCUTTII	FABACEAE		CA
1	MARISCUS URBANII	CYPERACEAE		PR
1	MARLIERA SINTENISII	MYRTACEAE	MURTA	PR
1	MARSDENIA ELLIPTICA	ASCLEPIADACEAE		PR
2	MARSHALLIA GRANDIFLORA	ASTERACEAE	BARBARA'S BUTTONS, LARGE-FLOWERED	KY ND NC PA TN WV
2	MARSHALLIA MOHRII	ASTERACEAE	BARBARA'S BUTTONS,	AL GA
3C	MARSHALLIA RAMOSA	ASTERACEAE		FL GA
1	MARSILEA VILLOSA	MARSILEACEAE		HI
2	MATELEA ALABAMENSIS	ASCLEPIADACEAE	ANGLEPOD,	AL FL GA
3C	MATELEA BREVICORNATA	ASCLEPIADACEAE		TX
3C	MATELEA EDWARDSENSIS	ASCLEPIADACEAE	MILKVINE, PLATEAU	TX
2	MATELEA FLORIDANA	ASCLEPIADACEAE		FL
3C	MATELEA PARVIFLORA	ASCLEPIADACEAE		TX
2	MATELEA RADIATA	ASCLEPIADACEAE	ANGLEPOD (MILKVINE), FALFURRIAS	TX
2	MATELEA TEXENSIS	ASCLEPIADACEAE		TX
2	MAURANDYA PETROPHILA	SCROPHULARIACEAE	ROCK LADY	CA
2	MAYTENUS CYMOsa	CELASTRACEAE		PR VI, British V.I.
2	MAYTENUS ELONGATA	CELASTRACEAE	CUERO DE SAPO	PR
1	MAYTENUS PONCEANA	CELASTRACEAE	CUERO DE SAPO	PR
2	MELANTHERA PARVIFOLIA	ASTERACEAE		FL
2	MENTZELIA ARBILLOSA	LOASACEAE	BLAZING STAR, CLAY	CO UT
2	MENTZELIA Densa	LOASACEAE		CO
3C	MENTZELIA HIRSUTISSIMA VAR. STENOPHYLLA	LOASACEAE	STICKLEAF, HAIRY	CA
LT	MENTZELIA LEUCOPHYLLA	LOASACEAE	BLAZING STAR, ASH MEADOWS	NV
2	MENTZELIA MOLLIS	LOASACEAE	STICKLEAF, SMOOTH	ID NV OR
3A	MENTZELIA NITENS VAR. LEPTOCAULIS	LOASACEAE	STICKLEAF,	AZ
2	MENTZELIA PACKARDIAE	LOASACEAE	STICKLEAF, PACKARD'S	OR
2	MERTENSIA DRUMMONDII	BORAGINACEAE	BLUEBELL, DRUMMOND	AK, Canada (N.W.T., Yukon)
9	MERTENSIA LANCEOLATA VAR. DRUMMONDII	*** SEE ***	MERTENSIA DRUMMONDII	
3C	MERTENSIA TOYABENSIS	BORAGINACEAE	BLUEBELLS,	NV
3C	MERTENSIA VIRIDIS VAR. CANA	BORAGINACEAE	BLUEBELLS, CANESCENT	CO UT
3C	MERTENSIA VIRIDIS VAR. DILATATA	BORAGINACEAE	BLUEBELLS, SMOOTH-LEAF	CO UT WY
2	MESADENUS PORTORICENSIS	ORCHIDACEAE		PR
1	METROSIDEROS COLLINA VAR. NEWELLII	MYRTACEAE		HI
PE	MEZONEURON KAVAIENSE	FABACEAE	UHIUMI	HI
9	MICONIA OTTOSCHULZII	*** SEE ***	GRAFFENRIEDA OTTOSCHULZII	
1	* MICRANTHEMUM MICRANTHEMOIDES	SCROPHULARIACEAE	MICRANTHEMUM, NUTTALL'S	DE DC ND NJ NY PA VA
2	MICROSERIS DECIPIENS	ASTERACEAE	MICROSERIS, SANTA CRUZ	CA
3C	MICROSERIS DETLINGII	ASTERACEAE		OR
2	MICROSERIS HOWELLII	ASTERACEAE		OR
9	MICROSERIS LACINIATA SSP. DETLINGII	*** SEE ***	MICROSERIS DETLINGII /SP. NOV. INED.	
9	MICROSERIS LACINIATA SSP. SISKIYOUENSIS	*** SEE ***	MICROSERIS NUTANS SSP. SISKIYOUENSIS /INED.	
3C	MICROSERIS NUTANS SSP. SISKIYOUENSIS /INED.	ASTERACEAE		CA OR
1	MIKANIA STEVENSIANA	ASTERACEAE	GUACO	PR
9	MIMULUS ARIDUS	*** SEE ***	DIPLACUS ARIDUS	
1	* MIMULUS BRANDEGEI	SCROPHULARIACEAE	MONKEYFLOWER, SANTA CRUZ ISLAND	CA
2	MIMULUS EXIGUUS	SCROPHULARIACEAE	MONKEYFLOWER, MEAN	CA
2	MIMULUS GEMIPARUS	SCROPHULARIACEAE		CO
2	MIMULUS GLABRATUS VAR. MICHIGANENSIS	SCROPHULARIACEAE	MONKEYFLOWER,	MI
3B	MIMULUS BUTTATUS SSP. ARENICOLA	SCROPHULARIACEAE	MONKEYFLOWER,	CA
3C	MIMULUS JUNGERMANNIODES	SCROPHULARIACEAE		OR WA
2	MIMULUS PATULUS	SCROPHULARIACEAE	MONKEY FLOWER, STALK-LEAVED	ID OR WA
3C	MIMULUS PICTUS	SCROPHULARIACEAE	MONKEYFLOWER, CALICO	CA
2	MIMULUS PURPUREUS VAR. PURPUREUS	SCROPHULARIACEAE	MONKEYFLOWER, PURPLE	CA
2	MIMULUS PYGMAEUS	SCROPHULARIACEAE	MONKEYFLOWER, PYGMY	CA OR
2	MIMULUS RINGENS VAR. COLPOPHILUS	SCROPHULARIACEAE	MONKEYFLOWER, SQUARE-STEMMED	ME, Canada.
2	MIMULUS RUPICOLA	SCROPHULARIACEAE	MONKEYFLOWER, DEATH VALLEY	CA
2	MIMULUS SP./SP. NOV. INED. (KERN CO.)	SCROPHULARIACEAE		CA
2	MIMULUS SP./SP. NOV. INED. (TULARE CO.)	SCROPHULARIACEAE		CA
1	* MIMULUS TRASKIAE	SCROPHULARIACEAE	MONKEYFLOWER, SANTA CATALINA	CA
3B	MIMULUS WASHOENSIS	SCROPHULARIACEAE		NV
1	* MIMULUS WHIPPLEI	SCROPHULARIACEAE	MONKEYFLOWER, WHIPPLE'S	CA
2	MINUARTIA DECUMBENS	CARYOPHYLLACEAE	SANDWORT, LASSICS	CA
2	MINUARTIA GODFREYI	CARYOPHYLLACEAE		AL AR FL NC SC
3C	MINUARTIA MARCESCENS	CARYOPHYLLACEAE		VT, Canada
2	MINUARTIA ROSEI	CARYOPHYLLACEAE	SANDWORT, PEANUT	CA
3C	MINUARTIA UNIFLORA	CARYOPHYLLACEAE		AL GA NC SC
LE	MIRABILIS MACFARLANEII	NYCTAGINACEAE	FOUR-O'CLOCK, MACFARLANE'S	ID OR
3C	MIRABILIS PUDICA	NYCTAGINACEAE		NV
2	MIRABILIS ROTUNDIFOLIA	NYCTAGINACEAE		CO
2	MITRACARPUS MAXWELLIAE	RUBIACEAE		PR
1	MITRACARPUS POLYCLADUS	RUBIACEAE		PR
3C	MONARDA STIPITATOBLANDULOSA	LAMIACEAE	HORSE-MINT,	AR OK
3C	MONARDELLA ANTONINA	LAMIACEAE		CA
3C	MONARDELLA BENITENSIS	LAMIACEAE	MONARDELLA, SAN BENITO	CA
2	MONARDELLA CRISPA	LAMIACEAE	MONARDELLA, CRISP	CA
2	MONARDELLA DIABOLI /SP. NOV. INED.	LAMIACEAE		CA



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	MONARDELLA DOUGLASSII VAR. VENOSA	LAMIACEAE		CA
2	MONARDELLA HYPOLEUCA SSP. LANATA	LAMIACEAE	MONARDELLA, FELT LEAF	CA
1	• MONARDELLA LEUCOCEPHALA	LAMIACEAE	MONARDELLA, MERCED	CA
2	MONARDELLA LINDIDES SSP. OBLONGA	LAMIACEAE		CA
2	MONARDELLA LINDIDES SSP. VININEA	LAMIACEAE	MONARDELLA, WILLOWY	CA
3C	MONARDELLA MACRANTHA SSP. HALLII	LAMIACEAE	MONARDELLA, HALL'S	CA
2	MONARDELLA NANA SSP. LEPTOSIPHON	LAMIACEAE	MONARDELLA, SAN FELIPE	CA
3C	MONARDELLA PALMERI	LAMIACEAE		CA
1	• MONARDELLA PRINGLEI	LAMIACEAE	MONARDELLA, PRINGLE	CA
3C	MONARDELLA PURPUREA	LAMIACEAE		CA OR
2	MONARDELLA ROBISONII	LAMIACEAE	MONARDELLA, ROBISON	CA
2	MONARDELLA SCELERATA (SP. NOV. INED.	LAMIACEAE	MONARDELLA, STONE CORRAL CANYON	CA
2	MONARDELLA STEBBINSII SP. NOV. / INED.	LAMIACEAE	MONARDELLA, STEBBINS'	CA
2	MONARDELLA UNDULATA VAR. FRUTESCENS	LAMIACEAE	MONARDELLA, CURLY-LEAVED, SAN LUIS O	CA
3C	MONARDELLA VIRIDIS SSP. SAXICOLA	LAMIACEAE		CA
2	MONOTROPA BRITTONII	ERICACEAE		FL
5	MONOTROPA CALIFORNICUS	*** SEE ***	PITYOPUS CALIFORNICUS	
2	MONOTROPSIS REYNOLDSIAE	ERICACEAE	PINESAP, SWEET	FL
2	MONTIA BOSTOCKII	PORTULACACEAE		AK, Canada (Yukon)
3C	MORINDA SANDWICENSIS	RUBIACEAE		HI
1	MORINDA TRINERA	RUBIACEAE	NONI-KUAHIMI	HI
3B	MUHLENBERGIA CURTISSETOSA	POACEAE	MUHLY,	IL MO OH PA
3B	MUHLENBERGIA PILOSA	POACEAE		TX
5	MUHLENBERGIA SCHREBERI VAR. CURTISSETOSA	*** SEE ***	MUHLENBERGIA CURTISSETOSA	
1	MUHLENBERGIA TORREYANA	POACEAE	MUHLY, TORREY'S	DE GA MD NJ NY TN
3B	MUHLENBERGIA VILLOSA	POACEAE	MUHLY, VILLOUS	NM TX
2	MULLA CLEVELANDII	LILIACEAE	GOLDENSTAR, SAN DIEGO	CA, Mexico (Baja California)
3B	MULLA CORONATA	LILIACEAE		CA
1	MUNROIDENDRON RACEMOSUM	ARALIACEAE		HI
2	MUNZOTHAMNUS BLAIRII	ASTERACEAE		CA
2	MUSINEON LINEARE	APIACEAE		UT
2	MYOPORUM SANDWICENSE VAR. STELLATUM	MYOPORACEAE	NAIO	HI
2	MYOSURUS MINIMUS SSP. APUS	RANUNCULACEAE		CA DR
1	MYRCIA PAGANII	MYRTACEAE	AUSU	PR
2	MYRCIANTHES FRAGRANS VAR. SIMPSONII	MYRTACEAE		FL
3C	MYRICA HARTWEGII	MYRICACEAE	SWEET-BAY, SIERRA	CA
2	MYRIOPHYLLUM LAXUM	MALDRAGACEAE		AL FL GA NC SC
1	MYRSINE FERNSEI	MYRSINACEAE	KOLEA	HI
1	MYRSINE LANAIENSIS VAR. DAHUNENSIS	MYRSINACEAE		HI
1	MYRSINE LINEARIFOLIA VAR. LINEARIFOLIA	MYRSINACEAE		HI
1	MYRSINE MEZII	MYRSINACEAE		HI
2	MYRSINE PETIOLATA	MYRSINACEAE		HI
1	MYRSINE ST-JOHNII	MYRSINACEAE		HI
2	• NAJAS CAESPITOSA	NAJADACEAE	NAIAD, FISH LAKE	UT
3	NAJAS FLEXILIS SSP. CAESPITOSA	*** SEE ***	NAJAS CAESPITOSA	
3C	NAMA RETRORSUM	HYDROPHYLLACEAE		AZ UT
3C	NAMA XYLOPODUM	HYDROPHYLLACEAE		NM TX
2	NAPAEA DIOICA	MALVACEAE		IL IN OH MN WI
2	NARTHECIUM AMERICANUM	LILIACEAE		DE NJ NY NC SC
9	NARTHECIUM OSSIFRAGUM VAR. AMERICANUM	*** SEE ***	NARTHECIUM AMERICANUM	
2	NASTURTIUM GAMBELII	BRASSICACEAE	WATERCRESS, GAMBEL'S	CA
9	NAVAJAO PEEBLESIANUS	*** SEE ***	PEDIOCACTUS PEEBLESIANUS VAR. PEEBLESIANUS	
2	NAVARRETTIA FOSSALIS	POLEMONIACEAE	NAVARRETTIA, NO-NAMED	CA, Mexico (Baja California)
2	NAVARRETTIA PAUCIFLORA	POLEMONIACEAE	NAVARRETTIA, FEW-FLOWERED	CA
2	NAVARRETTIA PLIEANTHA	POLEMONIACEAE	NAVARRETTIA, MANY-FLOWERED	CA
3C	NAVARRETTIA PROLIFERA SSP. LUTEA	POLEMONIACEAE	NAVARRETTIA, YELLOW-BUR	CA
2	NAVARRETTIA SETILOBA	POLEMONIACEAE	NAVARRETTIA, COVILLE'S	CA
2	NEMACLADUS TWISSELMANNII	CAMPANULACEAE	NEMACLADUS, TWISSELMANN'S	CA
2	NEMASTYLIS FLORIDANA	IRIDACEAE	IXIA, FALL-FLOWERING	FL
9	NEMOPANTHUS COLLINUS	*** SEE ***	ILEX COLLINA	
1	NEOLLOYDIA ERECTOCENTRA VAR. ACUNENSIS	CACTACEAE		AZ, Mexico
2	NEOLLOYDIA ERECTOCENTRA VAR. ERECTOCENTRA	CACTACEAE		AI
2	NEOLLOYDIA GAUTII	CACTACEAE		TX
LT	NEOLLOYDIA MARIPOSENSIS	CACTACEAE	CACTUS, MARIPOSA, LLOYD'S	TX, Mexico (Coshulla)
3C	NEOLLOYDIA WARKOCKII	CACTACEAE		TX
2	NEOPARRYA LITHOPHILA	APIACEAE		CO
2	NEOSTAFFIA COLUSANA	POACEAE	GRASS, COLUSA	CA
1	NEOMAWRAEA PHYLLANTHOIDES	EUPHORBIACEAE	MEHAMEHANE	HI
2	NEPHROPETALUM PRINGLEI	STERCULIACEAE	KIDNEYPETAL, PRINGLE'S	TX, Mexico
1	NERAUDIA ANGULATA	URTICACEAE		HI
3A	NERAUDIA COOKII	URTICACEAE		HI
3A	NERAUDIA KAHOOLOWANENSIS	URTICACEAE		HI
1	NERAUDIA KAUAIENSIS	URTICACEAE		HI
2	NERAUDIA MELASTOMIFOLIA	URTICACEAE	MA'OLDA	HI
1	NERAUDIA OVATA	URTICACEAE	MA'OLDA, BIG ISLAND	HI
1	NERAUDIA SERICEA	URTICACEAE		HI
9	NESAEA LONGIPES	*** SEE ***	HEIMIA LONGIPES	
2	NESTRONIA UMBELLULA	SANTALACEAE		AL GA MS NC SC TN VA
2	NEVIUSIA ALABAMENSIS	ROSACEAE		AL AR MS MO TN



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
LE	NITROPHILA HOHAVENSIS	CHENOPODIACEAE	NITERWORT, AMARGOSA	CA
2	NOLINA ARENICOLA	LILIACEAE		TX
2	NOLINA ATOPOCARPA	LILIACEAE	BEAR-GRASS,	FL
2	NOLINA BRITTONIANA	LILIACEAE	BEAR-GRASS,	FL
1	NOLINA INTERRATA	LILIACEAE	BEAR-GRASS, DEHEGA (SAN DIEGO)	CA, Mexico
1	NOTHOCESTRUM BREVIFLORUM	SOLANACEAE		HI
1	NOTHOCESTRUM LATIFOLIUM	SOLANACEAE	'AIEA,	HI
1	NOTHOCESTRUM LONGIFOLIUM VAR. RUFIPILOSUM	SOLANACEAE	'AIEA,	HI
1	NOTHOCESTRUM PELTATUM	SOLANACEAE	'AIEA,	HI
1	NOTHOCESTRUM SUBCORDATUM	SOLANACEAE	'AIEA,	HI
2	NOTHOLAENA LEMMONII	POLYPODIACEAE		AZ, Mexico
3C	NOTHOLAENA SCHAFFNERI VAR. NEALLEYI	POLYPODIACEAE		TX
1	NOTOTRICHUM HUMILE	AMARANTHACEAE		HI
3B	NOTOTRICHUM SANDWICENSE VAR. DECIPIENS	AMARANTHACEAE		HI
3B	NOTOTRICHUM SANDWICENSE VAR. DUBIUM	AMARANTHACEAE		HI
3B	NOTOTRICHUM SANDWICENSE VAR. FORBESII	AMARANTHACEAE		HI
3B	NOTOTRICHUM SANDWICENSE VAR. HELLERI	AMARANTHACEAE		HI
3B	NOTOTRICHUM SANDWICENSE VAR. KOLEKOLENSE	AMARANTHACEAE		HI
3B	NOTOTRICHUM SANDWICENSE VAR. LANAIENSE	AMARANTHACEAE		HI
3B	NOTOTRICHUM SANDWICENSE VAR. LANCEDLATUM	AMARANTHACEAE		HI
3B	NOTOTRICHUM SANDWICENSE VAR. LATIFOLIUM	AMARANTHACEAE		HI
3B	NOTOTRICHUM SANDWICENSE VAR. LEPTOPODUM	AMARANTHACEAE		HI
3B	NOTOTRICHUM SANDWICENSE VAR. LONGESPICATUM	AMARANTHACEAE		HI
3B	NOTOTRICHUM SANDWICENSE VAR. MACROPHYLLUM	AMARANTHACEAE		HI
3B	NOTOTRICHUM SANDWICENSE VAR. MAUIENSE	AMARANTHACEAE		HI
3B	NOTOTRICHUM SANDWICENSE VAR. NIHAUENSE	AMARANTHACEAE		HI
3B	NOTOTRICHUM SANDWICENSE VAR. OLKELEANUM	AMARANTHACEAE		HI
3B	NOTOTRICHUM SANDWICENSE VAR. PULCHELLOIDES	AMARANTHACEAE		HI
3B	NOTOTRICHUM SANDWICENSE VAR. PULCHELLUM	AMARANTHACEAE		HI
3B	NOTOTRICHUM SANDWICENSE VAR. SUBCORDATUM	AMARANTHACEAE		HI
3B	NOTOTRICHUM SANDWICENSE VAR. SYRINGSIFOLIUM	AMARANTHACEAE		HI
3B	NOTOTRICHUM VIRIDE	AMARANTHACEAE		HI
2	NUPHAR LUTEUM SSP. ULVACEUM	NYMPHAEACEAE		FL
3C	OCHROSIA COMPTA	APOCYNACEAE		HI
2	OCHROSIA KILAUEAENSIS	APOCYNACEAE	HOLEI	HI
2	OENOTHERA ACUTISSIMA	ONAGRACEAE	EVENING-PRIMROSE,	CO UT
LE	OENOTHERA AVITA SSP. EUREKENSIS	ONAGRACEAE	EVENING-PRIMROSE, EUREKA VALLEY	CA
5	OENOTHERA CAESPITOSA VAR. PSAMMOPHILA	*** SEE ***	OENOTHERA PSAMMOPHILA	
LE	OENOTHERA DELTOIDES SSP. HOWELLII	ONAGRACEAE	EVENING-PRIMROSE, ANTIOCH DUNES	CA
5	OENOTHERA GOULDII	*** SEE ***	CAMISSONIA GOULDII	
5	OENOTHERA HOOKERI SSP. WOLFII	*** SEE ***	OENOTHERA WOLFII	
2	OENOTHERA KLEINII	ONAGRACEAE	EVENING-PRIMROSE, KLEIN'S	CO
5	OENOTHERA MEGALANTHA	*** SEE ***	CAMISSONIA MEGALANTHA	
2	OENOTHERA ORGANENSIS	ONAGRACEAE		NM
1	OENOTHERA PILOSELLA SSP. SESSILIS	ONAGRACEAE	EVENING-PRIMROSE,	AR LA TX
2	OENOTHERA PSAMMOPHILA	ONAGRACEAE	EVENING-PRIMROSE,	ID
5	OENOTHERA SESSILIS	*** SEE ***	OENOTHERA PILOSELLA SSP. SESSILIS	
2	OENOTHERA WOLFII	ONAGRACEAE	EVENING-PRIMROSE, WOLF'S	CA OR
2	ONCIDIUM CARTHAGENENSE	ORCHIDACEAE	DANCING-LADY, CDOT BAY	FL, Mexico, Central America, South America
3C	ONOSMODIUM HELLERI	BORAGINACEAE		TX
3C	ONOSMODIUM MOLLE SSP. MOLLE	BORAGINACEAE		AL IL KY TN
5	ONOSMODIUM MONOCEPHALA	*** SEE ***	HAPLOPAPPUS FREMONTII SSP. MONOCEPHALUS	
2	OPERCULINA TRIQUETRA	CONVOLVULACEAE		VI
5	OPHIOSLOSSUM CALIFORNICUM	*** SEE ***	OPHIOSLOSSUM LUSITANICUM VAR. CALIFORNICUM	
1	OPHIOSLOSSUM CONCINNUM	OPHIOSLOSSACEAE	ADDER'S-TONGUE,	HI
3C	OPHIOSLOSSUM DENDRONEURON	OPHIOSLOSSACEAE		FL, Cuba, Mexico, Philippines, Africa, South America
3C	OPHIOSLOSSUM LUSITANICUM VAR. CALIFORNICUM	OPHIOSLOSSACEAE	ADDER'S-TONGUE, CALIFORNIA	CA, Mexico
3C	OPHIOSLOSSUM PALMATUM	OPHIOSLOSSACEAE	FERN, HAND	FL, West Indies, Central America, South America
2	OPUNTIA ARENARIA	CACTACEAE		NM TX, Mexico
2	OPUNTIA BASILARIS VAR. BRACHYCLADA	CACTACEAE		CA
3B	OPUNTIA BASILARIS VAR. LONGIAREOLATA	CACTACEAE		AZ
1	OPUNTIA BASILARIS VAR. TRELESEI	CACTACEAE	BEAVERTAIL CACTUS, KERN	CA
3B	OPUNTIA BASILARIS VAR. WOODBURYI	CACTACEAE		UT
2	OPUNTIA BIGELOVII VAR. HOFFMANNII	CACTACEAE		CA
3B	OPUNTIA BORINDUENSIS	CACTACEAE	OLAGA	FR
2	OPUNTIA IMBRICATA VAR. ARGENTEA	CACTACEAE		TX
2	** OPUNTIA LINDHEIMERI VAR. LINGUIFORMIS	CACTACEAE	PRICKLY PEAR, COW-TONGUE	TX
2	OPUNTIA MUNZII	CACTACEAE	CHOLLA, MUNZ	CA

STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	OPUNTIA PARRYI VAR. SERPENTINA	CACTACEAE	CHOLLA, SNAKE	CA, Mexico (Baja California)
3C	OPUNTIA PHAEOCANTHA VAR. FLAVISPIA	CACTACEAE		AZ
3B	OPUNTIA PHAEOCANTHA VAR. MOJAVENSIS	CACTACEAE		AZ CA
3B	OPUNTIA PHAEOCANTHA VAR. SUPERBOSPINA	CACTACEAE		AZ
3C	OPUNTIA PULCHELLA	CACTACEAE	CHOLLA, SAND	AZ NV UT
2	OPUNTIA SPINOSISSIMA	CACTACEAE		FL PR VI, Jamaica, British V.I.
2	OPUNTIA STRIGIL VAR. FLEXOSPINA	CACTACEAE	PRICKLY-PEAR,	TX
2	OPUNTIA TRIACANTHA	CACTACEAE		FL PR VI, Guadeloupe, Lesser Antilles
2	OPUNTIA WHIPPLEI VAR. MULTIGENICULATA	CACTACEAE		AZ NV
2	OPUNTIA WIGGINSII	CACTACEAE	CHOLLA, WIGGINS	AZ CA
5	ORCHIS FLAVA	*** SEE ***	PLATANThERA FLAVA	
5	ORCHIS INTEGR	*** SEE ***	PLATANThERA INTEGR	
5	ORCHIS LEUCOPHAEA	*** SEE ***	PLATANThERA LEUCOPHAEA	
1	ORCUTTIA CALIFORNICA	POACEAE	ORCUTT GRASS, CALIFORNIA	CA, Mexico
5	ORCUTTIA CALIFORNICA VAR. INEQUALIS	*** SEE ***	ORCUTTIA INAEQUALIS	
5	ORCUTTIA CALIFORNICA VAR. VISCIDA	*** SEE ***	ORCUTTIA VISCIDA	
5	ORCUTTIA GREENEI	*** SEE ***	TUCTORIA GREENEI	
1	ORCUTTIA INEQUALIS	POACEAE	ORCUTT GRASS, SAN JOAQUIN	CA
LE	ORCUTTIA MUCRONATA	POACEAE	GRASS, SOLANO (CRAMPTON'S ORCUTT)	CA
1	ORCUTTIA PILOSA	POACEAE	ORCUTT GRASS, PILOSE	CA
1	ORCUTTIA TENUIS	POACEAE	ORCUTT GRASS, SLENDER	CA
1	ORCUTTIA VISCIDA	POACEAE	ORCUTT GRASS, SACRAMENTO	CA
2	OREONANA PURPURASCENS	APIACEAE		CA
2	OROBANCHE PARISHII SSP. BRACHYLOBA	OROBANCHACEAE	BROOMRAPE, SHORT-LOBED	CA
2	OROBANCHE VALIDA SSP. VALIDA	OROBANCHACEAE	BROOMRAPE, ROCK CREEK	CA
2	ORTHOCAARPUS CAMPESTRIS VAR. SUCCULENTUS	SCROPHULARIACEAE	OWL'S-CLOVER, SUCCULENT	CA
2	ORTHOCAARPUS CASTILLEJOIDES VAR. HUMBOLDTIENSIS	SCROPHULARIACEAE	OWL'S-CLOVER, HUMBOLDT	CA
2	ORTHOCAARPUS FLORIBUNDUS	SCROPHULARIACEAE	OWL'S-CLOVER, SAN FRANCISCO	CA
2	ORTHOCAARPUS LASIDRHYNCHUS	SCROPHULARIACEAE	ORTHOCAARPUS, SAN BERNARDINO	CA
1	ORTHOCAARPUS PACHYSTACHYUS	SCROPHULARIACEAE	OWL-CLOVER, SHASTA	CA
5	ORTHOCAARPUS SUCCULENTUS	*** SEE ***	ORTHOCAARPUS CAMPESTRIS VAR. SUCCULENTUS	
2	ORYCTES NEVADENSIS	BOLANACEAE		CA NV
3C	ORYZOPSIS HYMENOIDES VAR. CONTRACTA	POACEAE		CO WY
2	ORYZOPSIS SWALENII	POACEAE		WY
5	OSMIA BORINOUENSIS	*** SEE ***	EUPATORIUM BORINOUENSE	
2	OSMORHIZA MEXICANA SSP. BIPATRIATA	APIACEAE		TX, Mexico
2	Ostrya CHISOSENSIS	BETULACEAE		TX
1	OTTOSCHULZIA RHODDYLYON	ICACINACEAE	PALE DE ROSA	PR, Hispaniola
5	OXYBAPHUS ROTUNDIFOLIUS	*** SEE ***	MIRABILIS ROTUNDIFOLIA	
FE	OXYPOLIS CANBYI	APIACEAE	DROPPWORT, CANBY'S	DE GA MD NC SC
2	OXYPOLIS GREENMANII	APIACEAE	WATER-DROPPWORT, GIANT (GREENMAN'S)	FL
3C	OXYTHECA WATSONII	POLYGONACEAE		NV
3C	OXYTROPIS BESSEYI VAR. OBNAPIFORMIS	FABACEAE		CO UT WY
1	OXYTROPIS CAMPESTRIS VAR. CHARTACEA	FABACEAE		WJ
2	OXYTROPIS CAMPESTRIS VAR. JOHANNENSIS	FABACEAE		ME, Canada
2	OXYTROPIS GLABERRIMA	FABACEAE		AK
5	OXYTROPIS JOHANNENSIS	*** SEE ***	OXYTROPIS CAMPESTRIS VAR. JOHANNENSIS	
3C	OXYTROPIS JONESII	FABACEAE		UT
3C	OXYTROPIS KOBUKENSIS	FABACEAE	LOCOWEED, KOBUK	AK
2	OXYTROPIS KOKRINENSIS	FABACEAE	OXYTROPE, KOKRINES	AK
5	OXYTROPIS OBNAPIFORMIS	*** SEE ***	OXYTROPIS BESSEYI VAR. OBNAPIFORMIS	
2	OXYTROPIS SORDIDA SSP. BARNEBYANA	FABACEAE		AK
5	PACHYSTIMA CANBYI	*** SEE ***	PACHYSTIMA CANBYI	
5	PACHYSTIMA CANBYI	*** SEE ***	PACHYSTIMA CANBYI	
2	PALAFOXIA ARIDA VAR. GIGANTEA	ASTERACEAE	SPANISHNEEDLE, GIANT	CA
5	PALAFOXIA LINEARIS VAR. GIGANTEA	*** SEE ***	PALAFOXIA ARIDA VAR. GIGANTEA	
3C	PANAX QUINQUEFOLIUS	ARALIACEAE	GINSENG, AMERICAN	AL AR CT DE DC FL IL IN IA KY LA ME MD MA MI MN MS MO NE NH NJ NY NC OH OK PA RI SC TN VT VA WY WJ, Canada
3B	Panicum ACULEATUM	POACEAE	PANIC GRASS,	SC NY RI VA
1	Panicum ALAKRAIENSE	POACEAE	PANIC GRASS,	HI
LE	Panicum CARTERI	POACEAE	PANICGRASS, CARTER'S	HI
1	Panicum FAURIEI	POACEAE	PANIC GRASS, FAURIE'S	HI
2	Panicum HIRSTII	POACEAE	PANIC GRASS, HIRST'S	GA NJ
3B	Panicum LAMIATILE	POACEAE	PANIC GRASS,	HI
3B	Panicum LITHOPHILUM	POACEAE		GA SC
3B	Panicum LUSTRIALE	POACEAE	PANIC GRASS,	HI
3B	Panicum MUNDUM	POACEAE	PANIC GRASS, FERNALD'S	VA
2	Panicum NIIHAUENSE	POACEAE	PANIC GRASS, NIIHAU	HI
2	Panicum NUDICAULE	POACEAE		AL FL MS
2	Panicum PINETORUM	POACEAE		FL
3B	Panicum SHASTENSE	POACEAE	PANIC GRASS, SHASTA	CA
2	Panicum STEVENSIANUM	POACEAE		PR, Cuba
5	Panicum THERMALE	*** SEE ***	DICHANTHELIUM LANUGINOSUM VAR. THERMALE	
3C	PAPAVER ALBOROSEUM	PAPAVERACEAE	POPPY, PALE	AK, Canada (D.C., Yukon), U.S.S.R.
3C	PAPAVER WALPOLEI	PAPAVERACEAE	POPPY, WALPOLE	AK, Canada (Yukon), U.S.S.R.



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	PARNASSIA CAROLINIANA	SAKIFRAGACEAE		AL FL MS NC SC
3B	PARNASSIA KOTZEBUEI VAR. PUMILA	SAKIFRAGACEAE	GRASS-OF-PARNASSUS, KOTZEBUE'S,	WA
3B	PARONYCHIA ARGYROCOMA VAR. ALBIMONTANA	CARYOPHYLLACEAE	SILVERLING	MA ME NH
2	PARONYCHIA CHARTACEA	CARYOPHYLLACEAE	WHITLOW-WORT,	FL
3C	PARONYCHIA CHORIZANTHOIDES	CARYOPHYLLACEAE		TX
1	PARONYCHIA CONGESTA	CARYOPHYLLACEAE	WHITLOW-WORT,	TX
3C	PARONYCHIA DRUMMONDII SSP. PARVIFLORA	CARYOPHYLLACEAE		TX
2	PARONYCHIA MCCARTYI	CARYOPHYLLACEAE	WHITLOW-WORT, MCCARTY'S	TX
3C	PARONYCHIA MONTICOLA	CARYOPHYLLACEAE		TX
3B	PARONYCHIA NUDATA	CARYOPHYLLACEAE		TX
3B	PARONYCHIA RUEGLII VAR. INTERIOR	CARYOPHYLLACEAE	WHITLOW-WORT,	FL GA
2	PARONYCHIA VIRGINICA VAR. PARKSII	CARYOPHYLLACEAE		TX
2	PARONYCHIA VIRGINICA VAR. VIRGINICA	CARYOPHYLLACEAE	NAILWORT, SILVERY	DC MD VA WV
2	PARONYCHIA WILKINSONII	CARYOPHYLLACEAE		TX, Mexico
3C	PARRYA NUDICAULIS	BRASSICACEAE		AK MT, Canada, U.S.S.R.
3C	PARRYA RYDBERGII	BRASSICACEAE	PARRYA, RYDBERG	UT
3C	PARTHENIUM ALPINUM	ASTERACEAE		CO WY
3C	PARTHENIUM LIDULATUM	ASTERACEAE	FEVERFEW,	CO UT WY
2	PARTHENIUM TETRANEURIS	ASTERACEAE		CO
2	PARVISEDUM LEIOCARPUM	CRASSULACEAE	STONECROP, LAKE COUNTY	CA
2	PASSIFLORA BILOBATA	PASSIFLORACEAE		PR, Hispaniola
2	PASSIFLORA MURUCUJA	PASSIFLORACEAE		PR, Hispaniola
2	PAXISTIMA CANBYI	CELASTRACEAE		KY OH PA TN VA WV
2	PECTIS IMBERBIS	ASTERACEAE		AZ
3C	PECTIS RUSBYI	ASTERACEAE	FETID-MARIGOLD, RUSBY'S	AZ
3C	PEDICULARIS DUDLEYI	SCROPHULARIACEAE	LOUSEWORT, DUDLEY'S	CA
LE	PEDICULARIS FURBISHIAE	SCROPHULARIACEAE	LOUSEWORT, FURBISH	ME, Canada (N.B.)
3C	PEDICULARIS HOWELLII	SCROPHULARIACEAE	LOUSEWORT, HOWELL	CA OR
3C	PEDICULARIS RAINIERENSIS	SCROPHULARIACEAE		WA
LE	PEDIOCACTUS BRADYI	CACTACEAE	PINCUSHION CACTUS, BRADY	AZ
1	PEDIOCACTUS DESPAINII	CACTACEAE		UT
5	PEDIOCACTUS GLAUCUS	*** SEE ***	SCLEROCACTUS GLAUCUS	
LE	PEDIOCACTUS KNOWLTONII	CACTACEAE	CACTUS, KNOWLTON	CO NM
5	PEDIOCACTUS MESAE-VERDAE	*** SEE ***	SCLEROCACTUS MESAE-VERDAE	
2	PEDIOCACTUS POPYRACANTHUS	CACTACEAE		AZ NM
1	PEDIOCACTUS PARADINEI	CACTACEAE		AZ
1	PEDIOCACTUS PEBLESIANUS VAR. FICKEISENIAE	CACTACEAE		AZ
LE	PEDIOCACTUS PEBLESIANUS VAR. PEBLESIANUS	CACTACEAE	CACTUS, PEBLES NAVAJO	AZ
LE	PEDIOCACTUS SILERI	CACTACEAE	PINCUSHION CACTUS, SILER	AZ UT
1	PEDIOCACTUS WINKLERI	CACTACEAE		UT
5	PEDIOCACTUS WRIGHTIAE	*** SEE ***	SCLEROCACTUS WRIGHTIAE	
5	PEDIOHELUM SUBCAULIS	*** SEE ***	PSORALEA SUBCAULIS	
2	PELEA ANISATA VAR. HAUPUANA	RUTACEAE		HI
5	PELEA APODA	*** SEE ***	PELEA PARVIFOLIA VAR. APODA	
1	PELEA BALLOUI	RUTACEAE		HI
1	PELEA CHRISTOPHERSENII	RUTACEAE		HI
1	PELEA CINEREA	RUTACEAE	MANENA	HI
1	PELEA CINEREOPS	RUTACEAE		HI
1	PELEA CLUSIAEFOLIA VAR. PICKERINGII	RUTACEAE		HI
1	PELEA DEGENERI	RUTACEAE		HI
1	PELEA DESCENDENS	RUTACEAE		HI
3A	PELEA ELLIPTICA VAR. MAUIENSIS	RUTACEAE		HI
1	PELEA GLABRA	RUTACEAE		HI
1	PELEA GRANDIFOLIA VAR. LIANOIDES	RUTACEAE		HI
1	PELEA GRANDIFOLIA VAR. MONTANA	RUTACEAE		HI
2	PELEA GRANDIFOLIA VAR. OVALIFOLIA	RUTACEAE		HI
5	PELEA GRANDIFOLIA VAR. TERMINALIS	*** SEE ***	PELEA GRANDIFOLIA VAR. OVALIFOLIA	
1	PELEA HAUPUENSIS	RUTACEAE		HI
1	PELEA HAWAIIENSIS	RUTACEAE	MANENA	HI
2	PELEA HIIAKAE	RUTACEAE		HI
1	PELEA HOSAKAE	RUTACEAE		HI
2	PELEA KAUAIENSIS	RUTACEAE		HI
1	PELEA KAVAIENSIS	RUTACEAE		HI
1	PELEA KNUDSENTII	RUTACEAE		HI
1	PELEA LAKAE	RUTACEAE		HI
1	PELEA LANCEOLATA	RUTACEAE		HI
1	PELEA LEVITLLEI	RUTACEAE		HI
1	PELEA LYOGATEI	RUTACEAE		HI
1	PELEA MACROSPUS	RUTACEAE		HI
1	PELEA MAKAKAE	RUTACEAE		HI
1	PELEA MUCRONULATA	RUTACEAE		HI
1	PELEA MULTIFLORA	RUTACEAE	ALANI	HI
1	PELEA MUNROI	RUTACEAE		HI
1	PELEA NEALTAE	RUTACEAE	PELEA, NEAL	HI
5	PELEA NIUENSIS	*** SEE ***	PELEA PEDUNCULARIS VAR. NIUENSIS	
1	PELEA OBLONGIFOLIA	RUTACEAE		HI
3A	PELEA OBOVATA	RUTACEAE		HI
1	PELEA OLOWALUENSIS	RUTACEAE		HI
1	PELEA ORBICULARIS	RUTACEAE		HI
1	PELEA OVALIS	RUTACEAE		HI
1	PELEA OVATA	RUTACEAE		HI

STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
1	PELEA PALLIDA	RUTACEAE	ALANI	HI
1	PELEA PANICULATA	RUTACEAE	ALANI	HI
1	* PELEA PARVIFOLIA VAR. APODA	RUTACEAE	APODA	HI
1	PELEA PARVIFOLIA VAR. SESSILIS	RUTACEAE		HI
1	PELEA PEDUNCULARIS VAR. CORDATA	RUTACEAE		HI
1	PELEA PEDUNCULARIS VAR. NIUENSIS	RUTACEAE		HI
1	PELEA PEDUNCULARIS VAR. NUMMULARIA	RUTACEAE		HI
9	PELEA PICKERINGII	*** SEE ***	PELEA CLUSIAEFOLIA VAR. PICKERINGII	
1	PELEA PLUVIALIS	RUTACEAE		HI
1	PELEA PUULUENSIS	RUTACEAE		HI
1	PELEA QUADRANGULARIS	RUTACEAE		HI
1	PELEA RECURVATA	RUTACEAE	ALANI	HI
1	PELEA REFLEXA	RUTACEAE		HI
1	PELEA SAINT-JOHNII	RUTACEAE	PELEA, ST. JOHN'S	HI
1	* PELEA SANDWICENSIS	RUTACEAE		HI
3A	PELEA STOREYANA	RUTACEAE		HI
1	PELEA TOMENTOSA	RUTACEAE		HI
1	PELEA VOLCANICA VAR. KOHALAE	RUTACEAE		HI
1	PELEA WAHIAWAENSIS	RUTACEAE		HI
2	PELEA WAIMEAENSIS	RUTACEAE		HI
1	PELEA ZAHLBRUCKNERI	RUTACEAE		HI
9	PENIOCEREUS GREGGII	*** SEE ***	CEREUS GREGGII	
3C	PENSTEMON ABIETINUS	SCROPHULARIACEAE	BEARDTONGUE,	NV UT
2	PENSTEMON ABSORKENSIS	SCROPHULARIACEAE		WY
3C	PENSTEMON ACAULIS	SCROPHULARIACEAE	BEARDTONGUE, STEMLESS	UT WY
2	PENSTEMON ALAMOSSENSIS	SCROPHULARIACEAE		NM TX
1	PENSTEMON ALBIFLUVIS	SCROPHULARIACEAE	BEARDTONGUE,	CO UT
2	PENSTEMON AMOPHILUM	SCROPHULARIACEAE		UT
3C	PENSTEMON ANGSTIFOLIUS VAR. VERNALENSIS	SCROPHULARIACEAE		UT
2	PENSTEMON ARENARIUS	SCROPHULARIACEAE		NV
2	PENSTEMON ATWOODII	SCROPHULARIACEAE		UT
3C	PENSTEMON BACCHARIFOLIUS	SCROPHULARIACEAE		TX, Mexico
2	PENSTEMON BARRETTIAE	SCROPHULARIACEAE		OR WA
2	PENSTEMON BICOLOR SSP. BICOLOR	SCROPHULARIACEAE		NV
2	PENSTEMON BICOLOR SSP. ROSEUS	SCROPHULARIACEAE		AZ NV
2	PENSTEMON BRACTEATUS	SCROPHULARIACEAE	BEARDTONGUE, RED CANYON	UT
3B	PENSTEMON CAESPITOSUS VAR. SUFFRUTICOSUS	SCROPHULARIACEAE	BEARDTONGUE,	UT
3C	PENSTEMON CALCAREUS	SCROPHULARIACEAE	PENSTEMON, LIMESTONE	CA NV
3C	PENSTEMON CALIFORNICUS	SCROPHULARIACEAE	PENSTEMON, CALIFORNIA	CA, Mexico
3C	PENSTEMON CARYI	SCROPHULARIACEAE	BEARDTONGUE, CARY	MT WY
3C	PENSTEMON CINICOLA	SCROPHULARIACEAE	PENSTEMON, ASH	CA OR
3C	PENSTEMON CLUTEI	SCROPHULARIACEAE	BEARDTONGUE,	AZ
3C	PENSTEMON COBAEA VAR. PURPUREUS	SCROPHULARIACEAE		AR MO
2	PENSTEMON COMPACTUS	SCROPHULARIACEAE	BEARDTONGUE, CACHE	UT
2	PENSTEMON CONCINNUS	SCROPHULARIACEAE	BEARDTONGUE, TUNNEL SPRINGS	NV UT
3B	PENSTEMON DECURVUS	SCROPHULARIACEAE	BEARDTONGUE,	NV UT
2	PENSTEMON DEGENERI	SCROPHULARIACEAE	BEARDTONGUE, DEGENER	CO
1	PENSTEMON DISCOLOR	SCROPHULARIACEAE	BEARDTONGUE,	AZ
3C	PENSTEMON DISSECTUS	SCROPHULARIACEAE		GA
2	PENSTEMON DISTANS	SCROPHULARIACEAE		AZ
3C	PENSTEMON ELEGANTULUS	SCROPHULARIACEAE		ID OR
3C	PENSTEMON FILIFORMIS	SCROPHULARIACEAE	PENSTEMON, THREAD-LEAVED	CA
2	PENSTEMON FLOWERSII	SCROPHULARIACEAE		UT
3C	PENSTEMON FRANCISCI-PENNELLI	SCROPHULARIACEAE		NV
2	PENSTEMON FRUTICIFORMIS SSP. AMARGOSA	SCROPHULARIACEAE	PENSTEMON, AMARGOSA	CA NV
3B	PENSTEMON GARRETTII	SCROPHULARIACEAE	BEARDTONGUE, GARRETT'S	UT
2	PENSTEMON GIBBENSII	SCROPHULARIACEAE		CO WY
2	PENSTEMON GLAUCINUS	SCROPHULARIACEAE	BEARDTONGUE,	OR
2	PENSTEMON GOODRICHII	SCROPHULARIACEAE		UT
1	PENSTEMON GRAHAMII	SCROPHULARIACEAE	BEARDTONGUE, GRAHAM	CO UT
2	PENSTEMON HARRINGTONII	SCROPHULARIACEAE	BEARDTONGUE, HARRINGTON	CO
1	PENSTEMON HAYDENII	SCROPHULARIACEAE		NE
3C	PENSTEMON HUMILIS VAR. BREVIFOLIUS	SCROPHULARIACEAE		UT
3C	PENSTEMON HUMILIS VAR. OBTUSIFOLIUS	SCROPHULARIACEAE		UT
3C	PENSTEMON KECKII	SCROPHULARIACEAE	BEARDTONGUE,	NV
3C	PENSTEMON LEIOPHYLLUS	SCROPHULARIACEAE	BEARDTONGUE,	NV UT
2	PENSTEMON LEMMIENSIS	SCROPHULARIACEAE	BEARDTONGUE, LEMMI	ID MT
2	PENSTEMON LEPTANTHUS	SCROPHULARIACEAE		UT
9	PENSTEMON MODESTUS	*** SEE ***	PENSTEMON PRO CERUS VAR. MODESTUS	
3C	PENSTEMON MORIAHENSIS	SCROPHULARIACEAE		NV
3B	PENSTEMON MULTICAULIS	SCROPHULARIACEAE		AR
3C	PENSTEMON NANUS	SCROPHULARIACEAE	BEARDTONGUE, LOW	UT
2	PENSTEMON NAVAJOA	SCROPHULARIACEAE		UT
3B	PENSTEMON NYEENSIS	SCROPHULARIACEAE	BEARDTONGUE,	NV
1	PENSTEMON PAHUTENSIS	SCROPHULARIACEAE	BEARDTONGUE,	NV
3C	PENSTEMON PAPILLATUS	SCROPHULARIACEAE	PENSTEMON, INYO	CA
2	* PENSTEMON PARVIFLORUS	SCROPHULARIACEAE		CO
3C	PENSTEMON PARVUS	SCROPHULARIACEAE	BEARDTONGUE, SMALL	UT
3C	PENSTEMON PATRICUS	SCROPHULARIACEAE		NV UT
3C	PENSTEMON PAYSONIUM	SCROPHULARIACEAE	BEARDTONGUE, PAYSON	WY
2	PENSTEMON PECKII	SCROPHULARIACEAE		OR
2	PENSTEMON PERSONATUS	SCROPHULARIACEAE	BEARDTONGUE, CLOSED-LIP	CA
3C	PENSTEMON PRO CERUS VAR. MODESTUS	SCROPHULARIACEAE		NV



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2	PENSTEMON PUDICUS	SCROPHULARIACEAE		NV
1	PENSTEMON RETRORSUS	SCROPHULARIACEAE	BEARDTONGUE,	CO
3C	PENSTEMON RUBICUNDUS	SCROPHULARIACEAE	BEARDTONGUE,	NV
3C	PENSTEMON SP. /SP. NOV. INED.	SCROPHULARIACEAE	BEARDTONGUE (RANDLETT, UINTAM CO.)	UT
2	PENSTEMON SPATULATUS	SCROPHULARIACEAE	BEARDTONGUE, MALLOWA	OR
2	PENSTEMON STEPHENSII	SCROPHULARIACEAE	PENSTEMON, STEPHENS.	CA
3C	PENSTEMON THOMPSONIAE SSP. JAEGERI	SCROPHULARIACEAE		NV
3B	PENSTEMON THURBERI VAR. ANESTIUS	SCROPHULARIACEAE		NV
2	PENSTEMON TIDESTROMII	SCROPHULARIACEAE	BEARDTONGUE, TIDESTROM	UT
2	PENSTEMON TRACYI	SCROPHULARIACEAE	BEARDTONGUE, TRACY	CA
3C	PENSTEMON UINTAHENSIS	SCROPHULARIACEAE	BEARDTONGUE, UINTAH	UT
3C	PENSTEMON VIRGATUS SSP. PSEUDOPUTUS	SCROPHULARIACEAE		AZ
2	PENSTEMON WARDII	SCROPHULARIACEAE	BEARDTONGUE, WARD	UT
3C	PENSTEMON WASHINGTONENSIS	SCROPHULARIACEAE		WA
3C	PENSTEMON YAMPAENSIS	SCROPHULARIACEAE		CO
2	PENTACHAETA BELLIDIFLORA	ASTERACEAE	PENTACHAETA, WHITE-RAYED	CA
2	PENTACHAETA EXILIS SSP. AEDLICA	ASTERACEAE	PENTACHAETA, SLENDER	CA
2	PENTACHAETA LYDNII	ASTERACEAE	PENTACHAETA, LYON'S	CA
2	PEPEROMIA COOKIANA VAR. MINUTILIMBA	PIPERACEAE		HI
1	PEPEROMIA CORNIFOLIA	PIPERACEAE		HI
1	PEPEROMIA DEGENERI	PIPERACEAE		HI
2	PEPEROMIA EXPALLESCENS VAR. BREVIPILOSA	PIPERACEAE		HI
2	PEPEROMIA FAURIEI	PIPERACEAE		HI
2	PEPEROMIA FLORIDANA	PIPERACEAE		FL
2	PEPEROMIA FORBESII	PIPERACEAE		HI
2	PEPEROMIA HAUPUENSIS	PIPERACEAE		HI
2	PEPEROMIA HELLERI VAR. KNUDSENII	PIPERACEAE		HI
1	PEPEROMIA KULENSIS	PIPERACEAE		HI
2	PEPEROMIA LILIFOLIA VAR. OSTUSATA	PIPERACEAE		HI
2	PEPEROMIA MAUNAKEANA	PIPERACEAE		HI
1	PEPEROMIA OAHUENSIS VAR. ST-JOHNII	PIPERACEAE		HI
3A	PEPEROMIA PLINERVATA	PIPERACEAE		HI
2	PEPEROMIA RIGIDILIMBA	PIPERACEAE		HI
2	PEPEROMIA SUBPETIOLATA	PIPERACEAE		HI
1	PEPEROMIA TRELESEI	PIPERACEAE		HI
2	PEPEROMIA WAIKAMOJANA	PIPERACEAE		HI
1	PEPEROMIA WHEELERI	PIPERACEAE		PR
3C	PERIDERIDIA BACIGALUPII	APIACEAE	YAMPAH, MOTHER LODGE	CA
2	PERIDERIDIA ERYTHRORHIZA	APIACEAE		OR
2	PERIDERIDIA BAIRDNERI SSP. BAIRDNERI	APIACEAE	YAMPAH, BAIRDNER'S	CA
3C	PERIDERIDIA LEPTOCARPA	APIACEAE	YAMPAH, NARROW-SEEDED	CA
3C	PERIDERIDIA PRINGLEI	APIACEAE	YAMPAH, ADGEE	CA
2	PERITYLE AZDENSIS	ASTERACEAE	ROCK-DAISY, AJO	AZ
2	PERITYLE BISETOSA VAR. BISETOSA	ASTERACEAE	ROCK-DAISY, TWO-SPIKE,	TX
2	PERITYLE BISETOSA VAR. SCALARIS	ASTERACEAE	ROCK-DAISY, TWO-SPIKE,	TX
2	PERITYLE CERNUA	ASTERACEAE		NM
3C	PERITYLE CINEREA	ASTERACEAE	ROCK-DAISY, GRAY	TX
2	PERITYLE COCHISENSIS	ASTERACEAE		AZ
3C	PERITYLE GILENSIS VAR. SALENSIS	ASTERACEAE	ROCK-DAISY,	AZ
2	PERITYLE INYOENSIS	ASTERACEAE	LAPHAMIA, INYO	CA
3C	PERITYLE LEMMONII	ASTERACEAE		AZ NM
3C	PERITYLE LINDHEIMERI	ASTERACEAE	ROCK-DAISY,	TX
3B	PERITYLE LINDHEIMERI VAR. HALIMIFOLIA	ASTERACEAE	ROCK-DAISY,	TX
3C	PERITYLE MEBALDCEPHALA VAR. INTRICATA	ASTERACEAE		CA NV
3C	PERITYLE PARRYI	ASTERACEAE		TX
5	PERITYLE ROTUNDATA	*** SEE ***	PERITYLE LINDHEIMERI VAR. LINDHEIMERI	
2	PERITYLE SAXICOLA	ASTERACEAE		AZ
3C	PERITYLE STAUROPHYLLA	ASTERACEAE		NM
2	PERITYLE VILLOSA	ASTERACEAE	LAPHAMIA, HANAUPAH	CA
2	PERITYLE VITREONONTANA	ASTERACEAE	ROCK-DAISY, GLASS MOUNTAIN	TX
2	PERITYLE WARNOCKII	ASTERACEAE		TX
3C	PERSEA BORBONIA VAR. HUMILIS	LAURACEAE		FL GA
3B	PERSICARIA PALUDICOLA	POLYGONACEAE		FL
2	PETALONYX THURBERI SSP. GILMANII	LOASACEAE	SANDPAPERPLANT, DEATH VALLEY	CA
5	PETALOSTEMUM FOLIOSUM	*** SEE ***	DALEA FOLIOSA	
5	PETALOSTEMUM GATTINGERI	*** SEE ***	DALEA GATTINGERI	
5	PETALOSTEMUM REVERCHONII	*** SEE ***	DALEA REVERCHONII	
5	PETALOSTEMUM SABINALIS	*** SEE ***	DALEA SABINALIS	
5	PETALOSTEMUM SCARIOSUM	*** SEE ***	DALEA SCARIOSA	
3C	PETERIA THOMPSONAE	FABACEAE		AZ ID NV UT
2	PETROPHYTUM CINERASCENS	ROSACEAE	ROCKMAT, CHELAN	WA
3C	PETROPHYTUM HENDERSONII	ROSACEAE		WA
2	PEUCEDANUM KAUAIENSE	APIACEAE		HI
2	PEUCEDANUM SANDWICENSE VAR. SANDWICENSE	APIACEAE	MAKOU	HI
2	PHACELIA AMABILIS	HYDROPHYLLACEAE	PHACELIA, SALINE VALLEY	CA
3C	PHACELIA ANELSONII	HYDROPHYLLACEAE	PHACELIA, MACBRIDE	CA NV UT
2	PHACELIA ARGENTEA	HYDROPHYLLACEAE		CA OR
LE	PHACELIA ARGILLACEA	HYDROPHYLLACEAE	PHACELIA, CLAY	UT
2	PHACELIA BEATLEYAE	HYDROPHYLLACEAE	PHACELIA, BEATLEY	NV
2	PHACELIA CAPITATA	HYDROPHYLLACEAE	PHACELIA,	OR
2	PHACELIA CEPHALOTES	HYDROPHYLLACEAE	PHACELIA, VIRGIN	AZ UT
2	PHACELIA CILIATA VAR. OPACA	HYDROPHYLLACEAE		CA
1	PHACELIA CINEREA	HYDROPHYLLACEAE	PHACELIA, ASHY	CA

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3C	PHACELIA CONSTANCEI	HYDROPHYLLACEAE		AZ UT
2	PHACELIA COOKEI	HYDROPHYLLACEAE	PHACELIA, COOKE'S	CA
2	PHACELIA DALESIANA	HYDROPHYLLACEAE	PHACELIA, TRINITY	CA
3C	PHACELIA DEMISSA VAR. HETEROTRICHA	HYDROPHYLLACEAE	PHACELIA,	UT
9	PHACELIA DIVARICATA VAR. INSULARIS	*** SEE ***	PHACELIA INSULARIS VAR. INSULARIS	
3C	PHACELIA DUBIA VAR. GEORGIANA	HYDROPHYLLACEAE		AL GA
3B	PHACELIA FILIFORMIS	HYDROPHYLLACEAE	PHACELIA,	AZ
2	PHACELIA FLORIBUNDA	HYDROPHYLLACEAE		CA
LE	PHACELIA FORMOSULA	HYDROPHYLLACEAE	PHACELIA, NORTH PARK	CO
3C	PHACELIA GLABERRIMA	HYDROPHYLLACEAE		NV
2	PHACELIA GREENEI	HYDROPHYLLACEAE	PHACELIA, SCOTT VALLEY	CA
3C	PHACELIA HOWELLIANA	HYDROPHYLLACEAE	PHACELIA, HOWELL	AZ UT
2	PHACELIA INCONSPICUA	HYDROPHYLLACEAE		IO NV
3B	PHACELIA INDECORA	HYDROPHYLLACEAE	PHACELIA, DRAB	UT
2	PHACELIA INSULARIS VAR. CONTINENTIS	HYDROPHYLLACEAE		CA
2	PHACELIA INSULARIS VAR. INSULARIS	HYDROPHYLLACEAE	PHACELIA, ISLAND	CA
3C	PHACELIA INTEGRIFOLIA VAR. TEXANA	HYDROPHYLLACEAE		NM TX
2	PHACELIA LENTA	HYDROPHYLLACEAE	PHACELIA, STICKY	WA
3C	PHACELIA MAMMILLARENSIS	HYDROPHYLLACEAE	PHACELIA, NIPPLE BENCH	UT
2	PHACELIA MONDENSIS	HYDROPHYLLACEAE	PHACELIA, MONO	CA NV
3C	PHACELIA MUSTELINA	HYDROPHYLLACEAE	PHACELIA, ROUND LEAF, DEATH VALLEY	CA NV
2	PHACELIA NEVADENSIS	HYDROPHYLLACEAE		NV
2	PHACELIA NOVENMILLENSIS	HYDROPHYLLACEAE	PHACELIA, WINE MILE CANYON	CA
3C	PHACELIA OROGENES	HYDROPHYLLACEAE	PHACELIA, MOUNTAIN	CA
2	PHACELIA PALLIDA	HYDROPHYLLACEAE	PHACELIA, PALE	TX MEXICO
3C	PHACELIA PARISHII	HYDROPHYLLACEAE		CA NV
3C	PHACELIA PECKII	HYDROPHYLLACEAE		OR
2	PHACELIA PHACELIODES	HYDROPHYLLACEAE	PHACELIA, MT. DIABLO	CA
3C	PHACELIA RAFAELENSIS	HYDROPHYLLACEAE	PHACELIA,	AZ UT
3C	PHACELIA SERRATA	HYDROPHYLLACEAE		AZ
2	PHACELIA STEBBINSII	HYDROPHYLLACEAE	PHACELIA, STEBBINS	CA
2	PHACELIA SUAVEDLENS SPP. KECKII	HYDROPHYLLACEAE		CA
2	PHACELIA SUBMUTICA	HYDROPHYLLACEAE	PHACELIA,	CO
3C	PHACELIA UTAHENSIS	HYDROPHYLLACEAE	PHACELIA, UTAH	UT
2	PHACELIA VERNA	HYDROPHYLLACEAE		OR
2	PHACELIA WELSHII	HYDROPHYLLACEAE	PHACELIA,	AZ
3C	PHASEOLUS SUPINUS	FABACEAE	BEAN, SUPINE	AZ UT
3C	PHILADELPHUS ERNESTII	SAXIFRAGACEAE		TX
3C	PHILADELPHUS MEARSII	SAXIFRAGACEAE		NM
3C	PHILADELPHUS TEXENSIS VAR. TEXENSIS	SAXIFRAGACEAE		TX
3C	PHIPPSIA ALBIDA	POACEAE	ICE GRASS	AK CO WY, Canada, U.S.S.R.
2	PHLOX BIFIDA SPP. STELLARIA	POLEMONIACEAE	PHLOX, CLEFT,	AR IL IN KY MO TN
3C	PHLOX BUCKLEYI	POLEMONIACEAE		VA WV
2	PHLOX CARYOPHYLLA	POLEMONIACEAE	PHLOX,	CO NM
3C	PHLOX CLUTEANA	POLEMONIACEAE	PHLOX, NAVAJO MOUNTAIN	AZ UT
2	PHLOX DOLICHANTHA	POLEMONIACEAE	PHLOX, BEAR VALLEY	CA
3C	PHLOX GLADIFORMIS	POLEMONIACEAE	PHLOX, RED CANYON	NV UT
3B	PHLOX GRAHAMII	POLEMONIACEAE	PHLOX,	UT
2	PHLOX HIRSUTA	POLEMONIACEAE	PHLOX, YREKA	CA
1	PHLOX IDAHOENSIS	POLEMONIACEAE	PHLOX, CLEARWATER	ID
3B	PHLOX JONESII	POLEMONIACEAE	PHLOX,	UT
9	PHLOX LONGIPILOSA	*** SEE ***	PHLOX PILOSA VAR. LONGIPILOSA	OK
3C	PHLOX MISSOULENSIS	POLEMONIACEAE	PHLOX,	MT
3B	PHLOX MOLLIS	POLEMONIACEAE	PHLOX,	ID OR WA
1	PHLOX NIVALIS SPP. TEXENSIS	POLEMONIACEAE	PHLOX, TRAILING, TEXAS	TX
3C	PHLOX OKLAHOMENSIS	POLEMONIACEAE	PHLOX,	KS OK TX
3B	PHLOX PECKII	POLEMONIACEAE		OR
3C	PHLOX PILOSA VAR. LONGIPILOSA	POLEMONIACEAE	PHLOX, LONG-HAIRED	OK
3C	PHLOX PULCHRA	POLEMONIACEAE	PHLOX,	AL
2	PHLOX SP. NOV. /INED.	POLEMONIACEAE		WY
2	PHOLISMA ARENARIUM	LENNOACEAE	PHOLISMA	AZ CA, MEXICO (Baja California)
2	PHOLISMA SONORAE	LENNOACEAE		AZ
3C	PHYLLANTHUS ERICOIDES	EUPHORBIACEAE	LEAF-FLOWER,	TX, Mexico
3C	PHYLLANTHUS LIEBMANNIANUS SPP. PLATYLEPIS	EUPHORBIACEAE		FL
2	PHYLLANTHUS PENTAPHYLLUS SPP. FLORIDANUS	EUPHORBIACEAE		FL
2	PHYLLANTHUS SANDWICENSIS VAR. DEGENERI	EUPHORBIACEAE		HI
2	PHYLLITIS SCOLOPENDRIUM VAR. AMERICANUM	POLYPODIACEAE	FERN, AMERICAN	AL MI NY TN, Canada
1	PHYLLOSTEGIA BREVIDENS VAR. AMBIGUA	LAMIACEAE		HI
2	PHYLLOSTEGIA BREVIDENS VAR. DEGENERI	LAMIACEAE		HI
1	PHYLLOSTEGIA BREVIDENS VAR. HETERODOXA	LAMIACEAE		HI
1	PHYLLOSTEGIA BREVIDENS VAR. HIRSUTULA	LAMIACEAE		HI
1	PHYLLOSTEGIA BREVIDENS VAR. LONGIPES	LAMIACEAE		HI
1	PHYLLOSTEGIA BREVIDENS VAR. PUBESCENS	LAMIACEAE		HI
1	PHYLLOSTEGIA FLORIBUNDA VAR. FORBESII	LAMIACEAE		HI
1	PHYLLOSTEGIA GLABRA VAR. LANAIENSIS	LAMIACEAE		HI
1	PHYLLOSTEGIA HELLERI VAR. IMMINUTA	LAMIACEAE		HI
2	PHYLLOSTEGIA HILLEBRANDII	LAMIACEAE		HI
2	PHYLLOSTEGIA HIRSUTA	LAMIACEAE		HI
1	PHYLLOSTEGIA KNUDSENII	LAMIACEAE		HI
3A	PHYLLOSTEGIA LEDYARDII	LAMIACEAE		HI



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3A	PHYLLOSTEGIA LONGIMONTIS	LAMIACEAE		HI
1	PHYLLOSTEGIA MACROPHYLLA VAR. VELUTINA	LAMIACEAE		HI
1	PHYLLOSTEGIA MOLLIS VAR. FAGERLINDII	LAMIACEAE		HI
1	PHYLLOSTEGIA MOLLIS VAR. HOCHREUTINERI	LAMIACEAE	NEHE KUHWA	HI
1	• PHYLLOSTEGIA MOLLIS VAR. LYOBATEI	LAMIACEAE		HI
1	PHYLLOSTEGIA MOLLIS VAR. MICRANTHA	LAMIACEAE		HI
1	• PHYLLOSTEGIA PARVIFLORA VAR. CANESCENS	LAMIACEAE		HI
1	• PHYLLOSTEGIA PARVIFLORA VAR. GLABRIUSCULA	LAMIACEAE		HI
1	• PHYLLOSTEGIA PARVIFLORA VAR. HONOLULENSIS	LAMIACEAE		HI
1	• PHYLLOSTEGIA VARIABILIS	LAMIACEAE		HI
2	PHYLLOSTEGIA YAMAGUCHII	LAMIACEAE	PHYLLOSTEGIA, YAMAGUCHI	HI
3C	PHYSALIS VISCOSA VAR. ELLIOTII	SOLANACEAE		FL
2	PHYSARIA ACUTIFOLIA VAR. PURPUREA	BRASSICACEAE		UT
5	PHYSARIA ALPESTRIS VAR. LYRATA	*** SEE ***	PHYSARIA DIDYMOCARPA VAR. LYRATA	
2	PHYSARIA ALPESTRIS VAR. PURPUREA	*** SEE ***	PHYSARIA SEYERI VAR. PURPUREA	
2	PHYSARIA BELLII	BRASSICACEAE		CO
3C	PHYSARIA CONDENSATA	BRASSICACEAE	TWINPOD, DENSE	WY
2	PHYSARIA DIDYMOCARPA VAR. LYRATA	BRASSICACEAE		ID
2	PHYSARIA DORNII	BRASSICACEAE		WY
3C	PHYSARIA SEYERI VAR. PURPUREA	BRASSICACEAE		ID
3C	PHYSARIA GRAHAMII	BRASSICACEAE	TWINPOD, GRAHAM'S	UT
2	PHYSARIA OBCORDATA	BRASSICACEAE		CO
2	PHYSOSTEGIA CORRELLII	LAMIACEAE	FALSE DRAGON-HEAD, CORRELL'S	TX
2	PHYSOSTEGIA LEPTOPHYLLA	LAMIACEAE		FL GA NC SC VA
2	PHYSOSTEGIA LONGISEPALA	LAMIACEAE		LA TX
3B	PHYSOSTEGIA MICRANTHA	LAMIACEAE		OK TX
3B	PHYSOSTEGIA VERONICIFORMIS	LAMIACEAE	DRAGONHEAD, FALSE	FL GA
3C	PIERIS PHILLYRAEAFOLIA	ERICACEAE		AL FL GA MS SC
1	PILEA LEPTOPHYLLA	URTICACEAE		PR
1	PILEA MULTICAULIS	URTICACEAE		PR
2	PILEA RICHARDII	URTICACEAE		PR VI
2	PILEA YUNQUENSIS	URTICACEAE		PR
3C	PILOSTYLES THURBERI	RAFFLESIAEAE	PILOSTYLES, THURBER'S	AI CA NV TX, Mexico (Saja California)
3C	PINCKNEYA PUBENS	RUBIACEAE		FL GA SC
2	PINGUICULA IONANTHA	LENTIBULARIACEAE	BUTTERWORT,	FL
2	PINGUICULA PLANIFOLIA	LENTIBULARIACEAE	BUTTERWORT, CHAPMAN'S	AL FL MS
2	PINUS TORREYANA	PINACEAE	PINE, TORREY	CA
3A	PISONIA FLORIDANA	NYCTAGINACEAE		FL
3B	PITTIOSPORUM ACUMINATUM VAR. LEPTOPODUM	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM ACUMINATUM VAR. MAGNIFOLIUM	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM ACUMINATUM VAR. WAIMEANUM	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM AMPLECTENS	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM ARGENTIFOLIUM VAR. ARGENTIFOLIUM	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM ARGENTIFOLIUM VAR. SESSILE	PITTIOSPORACEAE		HI
3C	PITTIOSPORUM CAULIFLORUM VAR. CAULIFLORUM	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM CAULIFLORUM VAR. CLADANTHOIDES	PITTIOSPORACEAE		HI
2	PITTIOSPORUM CAULIFLORUM VAR. PEDICELLATUM	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM CLADANTHUM VAR. GRACILIPES	PITTIOSPORACEAE		HI
2	PITTIOSPORUM CONFERTIFLORUM VAR. LONGIPES	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM CONFERTIFLORUM VAR. MICROPHYLLUM	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM GLABRUM VAR. GLOMERATUM	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM GLABRUM VAR. INTERMEDIUM	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM GLABRUM VAR. TINIFOLIUM	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM HALOPHILOIDES	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM HALOPHILUM	PITTIOSPORACEAE		HI
1	PITTIOSPORUM HAWAIIENSE	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM HELLERI	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM HOSMERI VAR. HOSMERI	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM HOSMERI VAR. SAINT-JOHNII	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM INSIGNE VAR. MICRANTHUM	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM KAHANANUM	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM KAUAIENSE VAR. REPENS	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM TERMINALIOIDES VAR. LANAIENSE	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM TERMINALIOIDES VAR. MACROFOLIA	PITTIOSPORACEAE		HI
3B	PITTIOSPORUM TERMINALIOIDES VAR. MAUIENSE	PITTIOSPORACEAE		HI
2	PITYOPSIS FLEXUOSA	ASTERACEAE		FL
LE	PITYOPSIS RUTHII	ASTERACEAE	GOLDEN-ASTER, RUTH'S	TN
3C	PITYOPUS CALIFORNICUS	ERICACEAE		CA OR
5	PITYOPUS OREGONA	*** SEE ***	PITYOPUS CALIFORNICUS	
5	PITYOTHAMNUS TETRAMERUS	*** SEE ***	ASMINA TETRAMERA	
2	• PLAGIOBOTHRYIS DIFFUSUS	BORAGINACEAE	POPCORNFLOWER, SAN FRANCISCO	CA
3C	PLAGIOBOTHRYIS DISTANTIFLORUS	BORAGINACEAE		CA
2	PLAGIOBOTHRYIS GLABER	BORAGINACEAE	ALLOCCARYA, GLABROUS	CA
2	PLAGIOBOTHRYIS GLYPTOCARPUS VAR. MODESTUS	BORAGINACEAE	ALLOCCARYA, CEDAR VALLEY	CA
2	• PLAGIOBOTHRYIS HIRTUS VAR. CORALLICARPUS	BORAGINACEAE		OR

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2	PLAGIOBOTHRYIS HIRTUS VAR. HIRTUS	BORAGINACEAE	POPCORNFLOWER,	OR
2	PLAGIOBOTHRYIS HYSTRICULUS	BORAGINACEAE	ALLOCARYA, BEARDED	CA
2	PLAGIOBOTHRYIS LAMPROCARPUS	BORAGINACEAE	POPCORNFLOWER,	OR
2	PLAGIOBOTHRYIS MOLLIS VAR. VESTITUS	BORAGINACEAE	ALLOCARYA, PETALUMA	CA
2	PLAGIOBOTHRYIS SCRIPTUS	BORAGINACEAE	ALLOCARYA, SCRIBE	CA
2	PLAGIOBOTHRYIS STRICTUS	BORAGINACEAE	ALLOCARYA, CALISTOGA	CA
9	PLANCHONELLA AUAKIENSIS	*** SEE ***	POUTERIA AUAKIENSIS	
9	PLANCHONELLA RHYNCHOSPERMA	*** SEE ***	POUTERIA RHYNCHOSPERMA	
2	PLANTAGO CORDATA	PLANTAGINACEAE	PLANTAIN, HEART-LEAVED	AL AR DC FL GA IL IN KY LA MD MI MO NY NC OH VA WI, Canada (Ont.)
2	PLANTAGO PRINCEPS VAR. ACAULIS	PLANTAGINACEAE		HI
1	PLANTAGO PRINCEPS VAR. DENTICULATA	PLANTAGINACEAE		HI
1	PLANTAGO PRINCEPS VAR. ELATA	PLANTAGINACEAE		HI
1	PLANTAGO PRINCEPS VAR. LAXIFOLIA	PLANTAGINACEAE		HI
1	PLANTAGO PRINCEPS VAR. PRINCEPS	PLANTAGINACEAE	ALE	HI
2	PLANTAGO PRINCEPS VAR. QUELENIANA	PLANTAGINACEAE		HI
3C	PLATANThERA FLAVA	ORCHIDACEAE	REIN ORCHID, SOUTHERN	AR DE DC FL GA IL IN IA KY LA ME MD MA MI MN MO NH NJ NY NC OH OK PA RI SC SD TN TX VT VA WV WI
1	PLATANThERA HOLOCHILA	ORCHIDACEAE		HI
3C	PLATANThERA INTEGRALIA	ORCHIDACEAE		AL FL GA LA MS NJ NC SC TN TX
2	PLATANThERA INTEGRILABIA	ORCHIDACEAE		AL KY MS NC SC TN
2	PLATANThERA LEUCOPHAEA	ORCHIDACEAE	ORCHID, WHITE-FRINGED, PRAIRIE	AR IL IN IA KS LA ME MI MN MO NE NY ND OH OK PA SD VA WI, Canada, (Ont.)
3C	PLATANThERA PERAMODENA	ORCHIDACEAE	ORCHID, PURPLE, FRINGELESS	AL AR DE IL IN KY MO MS MO NJ NY NC OH PA SC TN VA WV
3B	PLATANThERA UNALASCEENSIS SSP. MARITIMA	ORCHIDACEAE	REIN ORCHID, ALASKA	CA OR WA, Canada (B.C.)
1	PLATYDESMIA REMYI	RUTACEAE	PILOKEA, REMY	HI
2	PLATYSTEMON CALIFORNICUS VAR. CILIATUS	PAPAVERACEAE		CA
1	PLEODENDRON MACRANTHUM	CANELLACEAE	CHUPAGALLO (CHUPACALLOS)	PR
9	PLEOMELE AUREA	*** SEE ***	DRACAENA AUREA	
9	PLEOMELE FORBESII	*** SEE ***	DRACAENA FORBESII	
2	PLEUROPOGON HOOVERANUS	POACEAE	SEMAPHORE GRASS, HOOVER'S	CA
2	PLEUROPOGON OREGONUS	POACEAE	SEMAPHORE GRASS, OREGON	OR
3C	PLUMMERA AMBIGENS	ASTERACEAE		AZ
3B	PLUMMERA FLORIBUNDA	ASTERACEAE		AZ
1	POA ATROPURPUREA	POACEAE	BLUE GRASS, SAN BERNADINO	CA
3C	POA CURTIFOLIA	POACEAE		WA
2	POA EYERDAMII	POACEAE		AK
2	POA FIBRATA	POACEAE	BLUE GRASS, LASSEN COUNTY	CA
2	POA INVOLUTA	POACEAE	BLUE GRASS, BIG BEND	TX
3C	POA LAXIFLORA	POACEAE		AK OR WA, Canada (B.C.)
1	POA MANNII	POACEAE	BLUE GRASS, MANN'S	HI
3C	POA MARCIDA	POACEAE		OR WA, Canada (B.C.)
2	POA MERRILLIANA	POACEAE		AK
2	POA NAPENSIS	POACEAE	BLUE GRASS, NAPA	CA
2	POA NORBERGII	POACEAE		AK
9	POA PACHYPHOLIS	*** SEE ***	POA UNILATERALIS	
2	POA PALUDIGENA	POACEAE	BLUE GRASS,	IL IN MI MN NY OH PA WI
3C	POA PIPERI	POACEAE		CA OR
2	POA RHIZOMATA	POACEAE		CA
1	POA SANDVICENSIS	POACEAE	BLUE GRASS, HAWAIIAN	HI
1	POA SIPHONOGLOSSA	POACEAE		HI
1	POA UNILATERALIS	POACEAE	BLUE GRASS, SEA CLIFF	WA
2	PODISTERA YUKONENSIS	APIACEAE		AK, Canada (Yukon)
LE	POGOSYNE ABRAMSII	LAMIACEAE	MESA MINT, SAN DIEGO	CA
2	POGOSYNE CLAREANA	LAMIACEAE	POGOSYNE, SANTA LUCIA	CA
2	POGOSYNE DOUGLASII SSP. PARVIFLORA	LAMIACEAE		CA
1	POGOSYNE NUDIUSCULA	LAMIACEAE	POGOSYNE, LOMA ALTA	CA, Mexico
3C	POLEMONIUM CHARTACEUM	POLEMONIACEAE		CA
3B	POLEMONIUM NEVADENSE	POLEMONIACEAE		NV
2	POLEMONIUM OCCIDENTALE VAR. LACUSTRE	POLEMONIACEAE	JACOB'S LADDER,	MN
2	POLEMONIUM PAUCIFLORUM SSP. HINCKLEYI	POLEMONIACEAE	JACOB'S LADDER,	AZ TX
2	POLEMONIUM PECTINATUM	POLEMONIACEAE		WA
2	POLEMONIUM REPTANS VAR. VILLOSUM	POLEMONIACEAE	JACOB'S LADDER,	KY OH
2	POLEMONIUM VANBRUNTIAE	POLEMONIACEAE	JACOB'S LADDER,	CT MD NJ NY PA VT WV, Canada (N.B., Que.)
3C	POLIANThES MACULOSA	LILIACEAE		TX
2	POLIANThES RUNYONII	LILIACEAE	HUACO, RUNYON	TX
3C	POLIOHINTHA GLABRESCENS	LAMIACEAE	ROSEMARY-MINT	TX, Mexico
2	POLYCTENIUM WILLIAMSIAE	BRASSICACEAE	COMBLEAF	NV
9	POLYGALA ARENICOLA	*** SEE ***	POLYGALA SMALLII	
2	POLYGALA BOYKINII VAR. SPARSIFOLIA	POLYGALACEAE		FL
2	POLYGALA COWELLII	POLYGALACEAE	PALO DE VIDLETA (VIOLET TREE)	FR
1	POLYGALA LEWTONII	POLYGALACEAE	POLYGALA, LEWTON'S	FL
3C	POLYGALA MARAVILLASSENSIS	POLYGALACEAE	MILKWORT, MARAVILLAS	TX
3B	POLYGALA FILIOPHORA	POLYGALACEAE		AZ
3C	POLYGALA RIMULICOLA	POLYGALACEAE		NM TX



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
LE	POLYGALA SMALLII	POLYGALACEAE	POLYGALA, TINY	FL
3C	POLYGALA SUBSPINOSA VAR. HETERORHYNCA	POLYGALACEAE		CA NV
1	POLYGONELLA CILIATA VAR. BASIRAMIA	POLYGONACEAE	JOINTWEED,	FL
1	POLYGONELLA MACROPHYLLA	POLYGONACEAE	JOINTWEED, LARGE-LEAVED	AL FL
3C	POLYGONELLA NYRIOPHYLLA	POLYGONACEAE	JOINTWEED,	FL
3C	POLYGONELLA PARKSII	POLYGONACEAE	JOINTWEED, PARKS'	TX
3C	POLYGONUM BIDWELLIAE	POLYGONACEAE	KNOTWEED, BIDWELL	CA
3C	POLYGONUM CASCADENSE	POLYGONACEAE		OR
2	POLYGONUM FUSIFORME	POLYGONACEAE		AZ CA
2	POLYGONUM MARINENSE	POLYGONACEAE	KNOTWEED, MARIN	CA
1	* POLYGONUM MONTEREYENSE	POLYGONACEAE	KNOTWEED, MONTEREY	CA
2	POLYGONUM PENNSYLVANICUM VAR. EGLANDULOSUM	POLYGONACEAE	PINKWEED, LAKE ERIE	MO OH, Canada (Ont.)
3C	POLYGONUM STRIATULUM	POLYGONACEAE		TX
3C	POLYGONUM TEXENSE	POLYGONACEAE	KNOTWEED,	TX
3B	POLYGONUM UTAHENSE	POLYGONACEAE		UT
2	POLYMNIA LAEVIDATA	ASTERACEAE		AL FL GA KY MO TN
2	POLYSTICHUM ALEUTICUM	POLYPODIACEAE	SHIELD FERN (HOLLY FERN), ALEUTIAN	AK
3C	POLYSTICHUM DUDLEYI	POLYPODIACEAE	SWORD FERN, DUDLEY'S	CA
3C	POLYSTICHUM KRUCKEBERGII	POLYPODIACEAE		CA ID MT OR WA, Canada (B.C.)
3B	POPULUS MINCKLEYANA	SALICACEAE	COTTONWOOD, GOAT CANYON	TX
3C	POROPHYLLUM GREGGII	ASTERACEAE		TX
2	PORTULACA CAULERPOIDES	PORTULACACEAE		PR
1	PORTULACA HAWAIIENSIS	PORTULACACEAE	PORTULACA, HAWAII	HI
1	PORTULACA SCLEROCARPA	PORTULACACEAE	IHI-MAKOLE	HI
3C	PORTULACA SMALLII	PORTULACACEAE		GA NC VA
1	POTAMOGETON CLYSTOCARPUS	POTAMOGETONACEAE	PONDWEED,	TX
2	POTAMOGETON FLORIDANUS	POTAMOGETONACEAE		FL
3C	POTAMOGETON HILLII	POTAMOGETONACEAE	PONDWEED, HILL'S	CT MA MI NY OH PA VT, Canada (Ont.)
3B	POTAMOGETON LATERALIS	POTAMOGETONACEAE		CT MA MI MN NH NY VT
3B	POTAMOGETON PORTERI	POTAMOGETONACEAE		PA
2	POTENTILLA EFFUSA VAR. RUPINCOLA	ROSACEAE		CO
2	POTENTILLA HICKMANII VAR. HICKMANII	ROSACEAE	CINQUEFOIL, HICKMAN'S	CA
2	POTENTILLA HICKMANII VAR. ULIGINOSA /INED.	ROSACEAE	CINQUEFOIL, CUNNINGHAM MARSH	CA
3C	POTENTILLA MULTIFOLIOLATA	ROSACEAE		AZ
1	* POTENTILLA MULTIJUGA	ROSACEAE	CINQUEFOIL, BALLONA	CA
2	POTENTILLA PATELLIFERA	ROSACEAE	CINQUEFOIL, KINGSTON MOUNTAINS	CA
LE	POTENTILLA ROBBINSIANA	ROSACEAE	CINQUEFOIL, ROBBINS'	NH VT
5	POTENTILLA RUPINCOLA	*** SEE ***	POTENTILLA EFFUSA VAR. RUPINCOLA	
3C	POTENTILLA SIERRA-BLANCAE	ROSACEAE		NM
5	POTENTILLA ULIGINOSA	*** SEE ***	POTENTILLA HICKMANII VAR. ULIGINOSA VAR. NOV. /INED.	
1	POUTERIA AUAHIENSIS	SAPOTACEAE	ALA'A	HI
1	POUTERIA RHYNCHOSPERMA	SAPOTACEAE	ALA'A	HI
2	PRENANTHES BOOTTII	ASTERACEAE	RATTLESNAKE ROOT, BOOTT'S	ME NH NY VT
3C	PRENANTHES ROANENSIS	ASTERACEAE	RATTLESNAKE ROOT, MOUNTAIN	NC TN VA
2	PRIMULA CAPILLARIS	PRIMULACEAE	PRIMROSE,	NV
3C	PRIMULA CUSICKIANA	PRIMULACEAE	PRIMROSE, WALLOWA	ID OR
2	PRIMULA HUNNEWELLII	PRIMULACEAE		AZ
1	PRIMULA MAGUIREI	PRIMULACEAE	PRIMROSE, MAGUIRE	UT
3C	PRIMULA MISTASSINICA	PRIMULACEAE	PRIMROSE, BIRD'S-EYE	IL IA ME MI MN NY VT WI, Canada
2	PRIMULA NEVADENSIS	PRIMULACEAE	PRIMROSE,	NV
3C	PRIMULA SPECUICOLA	PRIMULACEAE	PRIMROSE,	AZ UT
2	PRIMULA WILCOXIANA /SP. NOV. /INED.	PRIMULACEAE		ID
1	PRITCHARDIA RYLMER-ROBINSONII	ARECACEAE	HAWANE (LO'ULU)	HI
2	PRITCHARDIA ELLIPTICA	ARECACEAE	LO'ULU	HI
1	PRITCHARDIA ERIOPHORA	ARECACEAE	LO'ULU	HI
2	PRITCHARDIA GAUDICHAUDII	ARECACEAE	LO'ULU	HI
1	PRITCHARDIA GLABRATA	ARECACEAE		HI
1	PRITCHARDIA HILLEBRANDII	ARECACEAE	LO'ULU-LELO	HI
3C	PRITCHARDIA KAALAE VAR. KAALAE	ARECACEAE	LO'ULU	HI
3C	PRITCHARDIA KAALAE VAR. MINIMA	ARECACEAE	LO'ULU	HI
2	PRITCHARDIA KAHANAE	ARECACEAE	LO'ULU	HI
1	PRITCHARDIA LANAIENSIS	ARECACEAE	LO'ULU	HI
1	PRITCHARDIA MONTIS-KEA	ARECACEAE		HI
1	PRITCHARDIA MURROII	ARECACEAE		HI
1	PRITCHARDIA REMOTA	ARECACEAE		HI
2	PRITCHARDIA SCHATTAUERII	ARECACEAE		HI
3B	PRIVA PORTORICENSIS	VERBENACEAE		PR
2	PROBOSCIDIA SABULOSA	PEDALIACEAE		NM TX
2	PROBOSCIDIA SPICATA	PEDALIACEAE		TX
3C	PRUNUS ALLEGHANIENSIS	ROSACEAE	PLUM, ALLEGHANY	CT MD MI NJ PA VA WV
1	PRUNUS GENUICULATA	ROSACEAE	PLUM, SCRUB	FL
5	PRUNUS BRAVESII	*** SEE ***	PRUNUS MARITIMA VAR. BRAVESII	
3C	PRUNUS HAVARDII	ROSACEAE		TX
2	PRUNUS MARITIMA VAR. BRAVESII	ROSACEAE	PLUM, BEACH, GRAVE'S	CT
3C	PRUNUS MINUTIFLORA	ROSACEAE		TX
3C	PRUNUS MURRAYANA	ROSACEAE		TX
3C	PRUNUS TEXANA	ROSACEAE		TX

STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	PSEUDOBAMIA BAHIAEFOLIA	ASTERACEAE	PSEUDOBAMIA, HARTWEB'S	CA
2	PSEUDOBAMIA PEIRSONII	ASTERACEAE	PSEUDOBAMIA, TULARE	CA
8	PSEUDOTAENIDIA MONTANA	*** SEE ***	TAENIDIA MONTANA	
1	PSIDIUM SINTENISII	MYRTACEAE	HOJA MENUDA	PR
2	PSORALEA EPIPSILA	FABACEAE	SCURF-PEA,	AZ UT
1	* PSORALEA MACROPHYLLA	FABACEAE	SCURF-PEA,	NC
2	PSORALEA PARIENSIS	FABACEAE		UT
2	PSORALEA RYDBERGII	FABACEAE		TX MEXICO
1	* PSORALEA STIPULATA	FABACEAE	SCURF-PEA,	IN KY
3C	PSORALEA SUBCAULIS	FABACEAE		AL GA TN
2	PSORALEA TRINERVATA	FABACEAE		NM TX MEXICO
3C	PSOROTHAMNUS ARBORESCENS	FABACEAE		CA
3C	PSOROTHAMNUS KINGII	FABACEAE		NV
2	PSOROTHAMNUS POLYADENIUS VAR. JONESII	FABACEAE		UT
3C	PSOROTHAMNUS THOMPSONAE VAR. THOMPSONAE	FABACEAE		AZ UT
2	PSOROTHAMNUS THOMPSONAE VAR. WHITTINGII	FABACEAE		AZ UT
1	PSYCHOTRIA GRANDIFLORA	RUBIACEAE		HI
1	* PSYCHOTRIA INSULARUM VAR. PARADISTII	RUBIACEAE		HI
3B	PTERALYXIA CAUAIANA	APOCYNACEAE	KAULU	HI
1	PTERALYXIA KAUAIENSIS	APOCYNACEAE	PTERALYXIA, KAUAI	HI
1	PTERIS LIDGATEI	POLYPODIACEAE		HI
2	PTERIDIOSASSIS ECRISTATA	ORCHIDACEAE		FL GA LA MS NC SC, Cuba
2	PTILAGROSTIS MONGHOLICA SSP. PORTERI	POACEAE	NEEDLE GRASS, PORTER'S	CO
5	PTILAGROSTIS PORTERI	*** SEE ***	PTILAGROSTIS MONGHOLICA SSP. PORTERI	
2	PTILIMNIUM FLUVIATILE	APIACEAE	HARPERELLA,	AL MD NC WV
2	PTILIMNIUM MODOSUM	APIACEAE		GA SC
2	PUCCINELLIA PARISHII	POACEAE	ALKALI GRASS, PARISH'S	AZ CA NM
2	PUCCINELLIA TRIFLORA	POACEAE		AK
3B	PYCNANTHEMUM CURVIPES	LAMIACEAE	MOUNTAIN-MINT,	AL GA TN
3C	PYCNANTHEMUM FLORIDANUM	LAMIACEAE		FL
3A	PYCNANTHEMUM MONOTRICHUM	LAMIACEAE	MOUNTAIN-MINT,	VA
5	PYRROCOMA ACUMINATA	*** SEE ***	HAPLOPAPPUS CONTRACTUS	
5	PYRROCOMA LIATRIFORMIS	*** SEE ***	HAPLOPAPPUS LIATRIFORMIS	
5	PYRROCOMA RADIATUS	*** SEE ***	HAPLOPAPPUS RADIATUS	
5	PYRROCOMA UNIFLORA VAR. BOSSYPINA	*** SEE ***	HAPLOPAPPUS UNIFLORUS SSP. BOSSYPINUS	
1	PYXIDANTHERA BARBULATA VAR. BREVIFOLIA	DIAPENSIACEAE	PIXIE-MOSS, WELL'S (SANDHILL)	NC SC
5	PYXIDANTHERA BREVIFOLIA	*** SEE ***	PYXIDANTHERA BARBULATA VAR. BREVIFOLIA	
3C	QUERCUS ARKANSANA	FAGACEAE		AL AR
3C	QUERCUS GEORGIANA	FAGACEAE		AL GA SC
3C	QUERCUS GRACILIFORMIS	FAGACEAE	OAK, SLENDER	TX
1	QUERCUS HINCKLEYI	FAGACEAE	OAK, HINCKLEY'S.	TX
2	QUERCUS OGLETHORPENSIS	FAGACEAE		GA LA SC
3C	QUERCUS PARVULA	FAGACEAE	OAK, SANTA CRUZ ISLAND	CA
2	QUERCUS SHUMARDII VAR. ACERIFOLIA	FAGACEAE		AR
2	QUERCUS TARDIFOLIA	FAGACEAE	OAK, CHICO MOUNTAINS	TX
3C	QUERCUS TOMENTELLA	FAGACEAE	OAK, ISLAND	CA, MEXICO
3C	RAILLARDELLA MUIRII	ASTERACEAE	RAILLARDELLA, MUIR'S	CA
3C	RAILLARDELLA PRINGLEI	ASTERACEAE	RAILLARDELLA, SNOWY	CA
3C	RAILLARDELLA SCABRIDA	ASTERACEAE		CA
5	RAILLIARDIA ARBOREA	*** SEE ***	DUBAUTIA ARBOREA	
5	RAILLIARDIA HILLEBRANDII	*** SEE ***	DUBAUTIA HILLEBRANDII	
5	RAILLIARDIA LONCHOPHYLLA	*** SEE ***	DUBAUTIA LONCHOPHYLLA	
5	RAILLIARDIA RETICULATA	*** SEE ***	DUBAUTIA RETICULATA	
5	RAILLIARDIA SHERFFIANA	*** SEE ***	DUBAUTIA SHERFFIANA	
2	RANDIA PORTORICENSIS	RUBIACEAE		PR
1	RANUNCULUS ACRIIFORMIS VAR. FESTIVALIS	RANUNCULACEAE	BUTTERCUP, SHARP, AUTUMN	UT
2	RANUNCULUS AUSTRALIS	RANUNCULACEAE		OR
3B	RANUNCULUS FASCICULARIS VAR. CUNEIFORMIS	RANUNCULACEAE	CROWFOOT, KERR	TX
3C	RANUNCULUS INAMIDENSIS VAR. SUBAFFINIS	RANUNCULACEAE	BUTTERCUP.	AZ
3C	RANUNCULUS OCCIDENTALIS SSP. NELSONII	RANUNCULACEAE		AK
2	RANUNCULUS RECONDITUS	RANUNCULACEAE		OR WA
3B	RANUNCULUS SUBCORDATUS	RANUNCULACEAE	BUTTERCUP, BLADEN	NC
3B	RAUVOLFIA HELLERI	APOCYNACEAE		HI
3B	RAUVOLFIA MAUIENSIS	APOCYNACEAE		HI
3B	RAUVOLFIA MOLDKAIENSIS VAR. PARVIFOLIA	APOCYNACEAE		HI
3B	RAUVOLFIA REMOTIFLORA	APOCYNACEAE	MAHAULA HEIAU	HI
3B	RAUVOLFIA SANDWICENSIS VAR. SANDWICENSIS	APOCYNACEAE	HAO	HI
3B	RAUVOLFIA SANDWICENSIS VAR. SUBACUMINATA	APOCYNACEAE		HI
2	RAVENIA URBANII	RUTACEAE	TORTUGO RRIETO	PR
1	REMYA KAUAIENSIS	ASTERACEAE		HI
1	REMYA MAUIENSIS	ASTERACEAE	REMYA, MAUI	HI
5	REYNOLDSIA DEGENERI	*** SEE ***	REYNOLDSIA SANDWICENSIS	
5	REYNOLDSIA HILLEBRANDII	*** SEE ***	REYNOLDSIA SANDWICENSIS	
5	REYNOLDSIA HUEHUENSIS	*** SEE ***	REYNOLDSIA SANDWICENSIS	
5	REYNOLDSIA MAUIENSIS	*** SEE ***	REYNOLDSIA SANDWICENSIS	
3C	REYNOLDSIA SANDWICENSIS	ARALIACEAE	"OHE	HI
5	REYNOLDSIA VENUSTA	*** SEE ***	REYNOLDSIA SANDWICENSIS	
3C	RHAPIDOPHYLLUM HYSTRIX	ARECACEAE	PALM, NEEDLE	AL FL GA MS SC
2	RHEXIA ARISTOSA	MELASTOMACEAE	MEADOWBEAUTY, AWNED	AL DE GA NC NJ SC VA
2	RHEXIA PARVIFLORA	MELASTOMACEAE	MEADOWBEAUTY,	AL FL GA
2	RHEXIA SALICIFOLIA	MELASTOMACEAE	MEADOWBEAUTY, PANHANDLE	AL FL
3C	RHINANTHUS ARCTICUS	SCROPHULARIACEAE		AK
3C	RHIPSALIS BACCIFERA	CACTACEAE		FL, Mexico, Sri Lanka, Africa, Central America, South America, West Indies



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
S	RHIPSALIS CASSUTHA	*** SEE ***	RHIPSALIS BACCIFERA	
3C	RHOODODENDRON AUSTRINUM	ERICACEAE		AL FL GA MS
3C	RHOODODENDRON BAKERI	ERICACEAE	RHOODODENDRON, BAKER'S	AL GA KY NC TN VA
LE	RHOODODENDRON CHAPMANII	ERICACEAE	RHOODODENDRON, CHAPMAN	FL
S	RHOODODENDRON MINUS VAR. CHAPMANII	*** SEE ***	RHOODODENDRON CHAPMANII	
2	RHOODODENDRON PRUNIFOLIUM	ERICACEAE	AZALEA, PLUMLEAF	AL GA
3C	RHOODODENDRON VASEYI	ERICACEAE	AZALEA, PINK-SHELL	NC
3C	RHOODOON CILIATUS	LAMIACEAE		TX
S	RHUS AROMATICA VAR. ARENARIA	*** SEE ***	RHUS TRILOBATA VAR. ARENARIA	
3C	RHUS KEARNEYI	ANACARDIACEAE	SUMAC, KEARNEY'S	AZ
1	RHUS MICHAUXII	ANACARDIACEAE		GA NC SC
2	RHUS TRILOBATA VAR. ARENARIA	ANACARDIACEAE	SUMAC,	IL IN OH
S	RHYNCHOPHORUM FLORIDANUM	*** SEE ***	PEPEROMIA FLORIDANA	
2	RHYNCHOSIA CINEREA	FABACEAE		FL
2	RHYNCHOSPOA CALIFORNICA	CYPERACEAE	BEAKED-RUSH, CALIFORNIA	CA
2	RHYNCHOSPOA CRINIPES	CYPERACEAE	BEAKED-RUSH,	AL
3C	RHYNCHOSPOA CULIXA	CYPERACEAE		FL GA
2	RHYNCHOSPOA GLOBULARIS VAR. SAXICOLA	CYPERACEAE		GA
1	RHYNCHOSPOA KNIESKERNII	CYPERACEAE	BEAKED-RUSH, KNIESKERN'S	DE NJ
2	RHYNCHOSPOA PUNCTATA	CYPERACEAE		FL GA
3C	RHYSOPTERIS PLURIJUGUS	APIACEAE		OR
2	RIBES CANTHARIFORME	SAXIFRAGACEAE	CURRENT, MORENO	CA
LT	RIBES ECHINELLUM	SAXIFRAGACEAE	GOOSEBERRY, FLORIDA (MICCOSUKEE)	FL SC
1	ROLLANDIA ANGUSTIFOLIA VAR. OCHREATA	CAMPANULACEAE		HI
2	ROLLANDIA CALYCINA	CAMPANULACEAE		HI
1	ROLLANDIA CRISPA VAR. CRISPA	CAMPANULACEAE		HI
1	ROLLANDIA DEGENERANA	CAMPANULACEAE		HI
1	ROLLANDIA HUMBOLDTIANA	CAMPANULACEAE		HI
1	ROLLANDIA LANCEOLATA	CAMPANULACEAE	ROLLANDIA, LANCEOLATE-LEAVED	HI
1	ROLLANDIA FARVIFOLIA	CAMPANULACEAE		HI
1	ROLLANDIA PINNATIFIDA	CAMPANULACEAE		HI
2	ROLLANDIA PURPURELLIFOLIA	CAMPANULACEAE		HI
1	ROLLANDIA SESSILIFOLIA	CAMPANULACEAE		HI
1	ROLLANDIA ST-JOHNII	CAMPANULACEAE		HI
1	ROLLANDIA WAIANAENSIS	CAMPANULACEAE		WI
3C	ROMANZOFFIA THOMPSONII /SP. NOV. (NED.	HYDROPHYLLACEAE		OR
2	RORIPPA CALYCINA	BRASSICACEAE		MT ND WY, Canada (N.W.T.)
S	RORIPPA CALYCINA VAR. COLUMBIAE	*** SEE ***	RORIPPA COLUMBIAE	
2	RORIPPA COLORADENSIS	BRASSICACEAE	WATER CRESS,	CO
2	RORIPPA COLUMBIAE	BRASSICACEAE		CA OR WA
1	RORIPPA SUBUMBELLATA	BRASSICACEAE		CA NV
2	ROSA STELLATA	ROSACEAE		AZ NM TX
1	ROYSTONEA ELATA	ARECACEAE	PALM, ROYAL, FLORIDA	FL
3C	RUBUS BARTONIANUS	ROSACEAE		ID OR
3C	RUBUS DUPLARIS	ROSACEAE	DEWBERRY,	TX
2	RUBUS GLAUCIFOLIUS VAR. GANDERI	ROSACEAE		CA
3C	RUBUS MISSOURICUS	ROSACEAE		MO
1	RUBUS NIGERRIMUS	ROSACEAE		WA
2	RUBUS WHARTONIAE	ROSACEAE		KY TN
3C	RUDBECKIA AURICULATA	ASTERACEAE		AL
2	RUDBECKIA HELIOPSISIDIS	ASTERACEAE		AL GA NC SC VA
2	RUDBECKIA NITIDA VAR. NITIDA	ASTERACEAE		FL GA
2	RUDBECKIA TRILOBA VAR. PINNATILoba	ASTERACEAE		FL NC
3C	RUPELLIA DRUMMONDIANA	ACANTHACEAE		TX
1	RUMEX OPTHONEURUS	POLYGONACEAE	DOCK,	AZ
3C	RUMEX SPIRALIS	POLYGONACEAE		TX
3B	RUPPIA ANOMALA	RUPPIACEAE	VERBA DE ZANJA	PR
3C	SAGERETIA MINUTIFLORA	RHAMNACEAE		AL FL GA MS SC
LE	SAGITTARIA FASCICULATA	ALISMATACEAE	ARROWHEAD, BUNCHED	NC SC
2	SAGITTARIA SANFORDII	ALISMATACEAE		CA
2	SAGITTARIA SECUNDIFLORA	ALISMATACEAE		AL
2	SALIX ARIZONICA	SALICACEAE		AZ
2	SALIX FLORIDANA	SALICACEAE	WILLOW, FLORIDA	FL GA
3C	SALIX FLUVIATILIS	SALICACEAE		OR WA
3B	SALIX INTERIOR VAR. EXTERIOR	SALICACEAE	WILLOW, SANDBAR, INSIDE-OUTSIDE	ME PA
2	SALIX OVALIFOLIA VAR. GLACIALIS	SALICACEAE	WILLOW, ROUND-LEAF	AK
3B	SALVIA BLODGETTII	LAMIACEAE	SAGE, BLODGETT'S	FL
2	SALVIA BRANDEGEEI	LAMIACEAE	SAGE, BRANDEGEE'S	CA
3B	SALVIA COLUMBARIAE VAR. ZIEGLERI	LAMIACEAE	CHIA, ZIEGLER'S	CA
3C	SALVIA EREMOSTACHYA	LAMIACEAE		CA
3C	SALVIA FUNEREA	LAMIACEAE		CA NV
2	SALVIA GREATAE	LAMIACEAE		CA
2	SALVIA PENSTEMONOIDES	LAMIACEAE		TX
2	SANICULA HOFFMANNII	APIACEAE	SANICLE, HOFFMAN	CA
2	SANICULA MARITIMA	APIACEAE	SANICLE, ADDBE	CA
3C	SANICULA PECKIANA	APIACEAE	SANICLE, PECK'S	CA OR
3C	SANICULA PURPUREA	APIACEAE	SANICLE, PURPLE-FLOWERED	HI
2	SANICULA SANDWICENSIS	APIACEAE		HI
2	SANICULA SAXATILIS	APIACEAE	SANICLE, ROCK	CA
2	SANICULA TRACYI	APIACEAE	SANICLE, TRACY'S	CA
S	SANIDOPHYLLUM CUMULICOLA	*** SEE ***	HYPERICUM CUMULICOLA	
3B	SANTALUM ELLIPTICUM VAR. LITIDRALE	SANTALACEAE		HI

STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
PE	SANTALUM FREYCINETIANUM VAR. LANAIENSE	SANTALACEAE	SANDALWOOD, LANAI	HI
5	SANTALUM LANAIENSE	*** SEE ***	SANTALUM FREYCINETIANUM VAR. LANAIENSE	
3B	SANTALUM SALICIFOLIUM	SANTALACEAE		HI
5	SARRACENIA ALABAMENSIS SSP. ALABAMENSIS	*** SEE ***	SARRACENIA RUBRA SSP. ALABAMENSIS	
5	SARRACENIA ALABAMENSIS SSP. WHERRYI	*** SEE ***	SARRACENIA RUBRA SSP. WHERRYI	
5	SARRACENIA JONESII	*** SEE ***	SARRACENIA RUBRA SSP. JONESII	
LE	SARRACENIA DROEPHILA	SARRACENIACEAE	PITCHERPLANT, GREEN	AL GA TN
3C	SARRACENIA PSITTACINA	SARRACENIACEAE	PITCHERPLANT, PARROT	AL FL GA LA MS
1	SARRACENIA RUBRA SSP. ALABAMENSIS	SARRACENIACEAE	PITCHERPLANT, ALABAMA CANEBREAK	AL
1	SARRACENIA RUBRA SSP. JONESII	SARRACENIACEAE	PITCHERPLANT, SWEET,	NC SC
3C	SARRACENIA RUBRA SSP. RUBRA	SARRACENIACEAE	PITCHERPLANT, SWEET, RED-FLOWERED	AL FL GA MS NC SC
2	SARRACENIA RUBRA SSP. WHERRYI	SARRACENIACEAE		AL MS
2	SATUREJA CHANDLERI	LAMIACEAE	SAVORY, SAN MIGUEL	CA, Mexico
3C	SAUSSUREA WEBERI	ASTERACEAE		CO NT
2	SAXIFRAGA ALEUTICA	SAXIFRAGACEAE	SAXIFRAGE, ALEUTIAN	AK
2	SAXIFRAGA CAREYANA	SAXIFRAGACEAE	SAXIFRAGE,	GA NC SC TN VA
2	SAXIFRAGA CAROLINIANA	SAXIFRAGACEAE	SAXIFRAGE, GRAY'S	GA NC TN VA WV
3C	SAXIFRAGA FORBESII	SAXIFRAGACEAE	SAXIFRAGE, FORBES	IL IN IA MN MO WI
2	SAXIFRAGA HITCHCOCKIANA	SAXIFRAGACEAE	SAXIFRAGE, SADDLE MOUNTAIN	OR
5	SAXIFRAGA OCCIDENTALIS VAR. LATIPETIOLATA	*** SEE ***	SAXIFRAGA HITCHCOCKIANA	
PE	SCAEVOLA CORTICEA	GOODENIACEAE	NAUPAKA, DWARF	HI
3C	SCAEVOLA GAUDICHAUDI	GOODENIACEAE	NAUPAKA, MOUNTAIN	HI
1	SCAEVOLA KILAUEA	GOODENIACEAE	NAUPAKA, KILAUEA	HI
1	SCAEVOLA SKOTTSSBERGII	GOODENIACEAE		HI
LE	SCHIEDEA ADAMANTIS	CARYOPHYLLACEAE	SCHIEDEA, DIAMOND HEAD	HI
1	* SCHIEDEA AMPLEXICAULIS	CARYOPHYLLACEAE	MA'OLI'OLI	HI
1	SCHIEDEA APOKREMNOS	MA'OLI'OLI	CARYOPHYLLACEAE	HI
3B	SCHIEDEA GLOBOSA VAR. FOLIOSIOR	CARYOPHYLLACEAE		HI
3C	SCHIEDEA GLOBOSA VAR. GLOBOSA	CARYOPHYLLACEAE	MA'OLI'OLI	HI
3C	SCHIEDEA GLOBOSA VAR. GRAMINIFOLIA	CARYOPHYLLACEAE	MA'OLI'OLI	HI
1	SCHIEDEA HALERKALENSIS	CARYOPHYLLACEAE	MA'OLI'OLI	HI
3B	SCHIEDEA HAWAIIENSIS	CARYOPHYLLACEAE	MA'OLI'OLI	HI
1	* SCHIEDEA HELLEBI	CARYOPHYLLACEAE	MA'OLI'OLI	HI
2	SCHIEDEA HOOKERI	CARYOPHYLLACEAE	MA'OLI'OLI	HI
1	* SCHIEDEA IMPLEXA	CARYOPHYLLACEAE	MA'OLI'OLI	HI
1	SCHIEDEA KAAALAE	CARYOPHYLLACEAE	MA'OLI'OLI	HI
3C	SCHIEDEA KEALIAE	CARYOPHYLLACEAE	MA'OLI'OLI	HI
1	SCHIEDEA LIGUSTRINA VAR. NEMATOPODA	CARYOPHYLLACEAE		HI
1	SCHIEDEA LYDDEATEI	CARYOPHYLLACEAE	MA'OLI'OLI	HI
3C	SCHIEDEA MAWII	CARYOPHYLLACEAE		HI
2	SCHIEDEA MEMBRANACEA	CARYOPHYLLACEAE		HI
2	SCHIEDEA MENZIESII VAR. MENZIESII	CARYOPHYLLACEAE		HI
2	SCHIEDEA MENZIESII VAR. SPERGULACEA	CARYOPHYLLACEAE	MA'OLI'OLI	HI
5	SCHIEDEA PUBESCENS VAR. LANAIENSIS	*** SEE ***	SCHIEDEA PUBESCENS VAR. PUBESCENS	
2	SCHIEDEA PUBESCENS VAR. PUBESCENS	CARYOPHYLLACEAE	MA'OLI'OLI	HI
2	SCHIEDEA SALICARIA	CARYOPHYLLACEAE	MA'OLI'OLI	HI
1	SCHIEDEA SPERSULINA	CARYOPHYLLACEAE	MA'OLI'OLI	HI
1	* SCHIEDEA STELLARIODES	CARYOPHYLLACEAE	MA'OLI'OLI	HI
1	SCHIEDEA VERTICILLATA	CARYOPHYLLACEAE		HI
3C	SCHISANDRA GLABRA	SCHISANDRACEAE		AL AR FL GA LA MS NC SC TN
2	SCHIZACHYRIUM NIVEUM	POACEAE		FL GA
3B	SCHIZACHYRIUM RHIZOMATUM	POACEAE		FL
2	SCHIZAEA GERMANII	SCHIZAEACEAE	FERN, CURLY-GRASS	FL, Belize, Cuba, Guadeloupe
2	SCHIZAEA FUSILLA	SCHIZAEACEAE	FERN, CURLY-GRASS	NJ NY, Canada (Nfld., N.S., Ont.), St. Pierre & Miquelon
5	SCHIZOSTEGE LIDGATEI	*** SEE ***	PTERIS LIDGATEI	
5	SCHMALTZIA KEARNEYI	*** SEE ***	RHUS KEARNEYI	
1	SCHOENOCRANBE BARNEYI	BRASSICACEAE		UT
5	SCHOENOLIRION BRACTEOSUM	*** SEE ***	HASTINGSIA BRACTEOSA	
5	SCHOENOLIRION TEXANUM	*** SEE ***	SCHOENOLIRION WRIGHTII	
3C	SCHOENOLIRION WRIGHTII	LILIACEAE	SUNNYBELL, TEXAS	AL AR TX
2	SCHOEPIA ARENARIA	OLACACEAE	ARANA	PR
1	SCHRANKIA PORTORICENSIS	FABACEAE	ZARZARILLA	PR
2	SCHWALBEA AMERICANA	SCROPHULARIACEAE	CHAFFEED	CT DE FL GA KY LA MA MD MS NC NJ NY SC TN VA
2	SCIROPUS ANCISTROCHAETUS	CYPERACEAE	BULRUSH, NORTHEASTERN	MA NY PA VA VT
3C	SCIROPUS FLACCIDIFOLIUS	CYPERACEAE		NC VA
2	SCIROPUS LONGII	CYPERACEAE	BULRUSH, LONG'S	CT ME MA NJ NY, Canada (N.S.)
1	SCLERIA DORADDENSIS	CYPERACEAE		PR
5	SCLERODACTYLUS FRANKLINII	*** SEE ***	SCLERODACTYLUS GLAUCUS	
LT	SCLERODACTYLUS GLAUCUS	CACTACEAE	CACTUS, HOOKLESS, UINTA BASIN	CO UT
LT	SCLERODACTYLUS MESAE-VERDAE	CACTACEAE	CACTUS, MESA VERDE	CO MN
3C	SCLERODACTYLUS POLYANCISTRUS	CACTACEAE	FISHHOOK CACTUS, MOHAVE	CA NV
3C	SCLERODACTYLUS PUBISPINUS	CACTACEAE	FISHHOOK CACTUS, GREAT BASIN	NV UT
3C	SCLERODACTYLUS SP. /SP. NOV. INED.	CACTACEAE	CACTUS (DUCHEWNE & UINTAH COS.)	UT
3C	SCLERODACTYLUS SPINOSIOR	CACTACEAE		UT
2	SCLERODACTYLUS WHIPPLEI VAR. HEILII	CACTACEAE		NM
3C	SCLERODACTYLUS WHIPPLEI VAR. REEVESII	CACTACEAE		NM



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LE	SCLEROCACTUS WRIGHTIAE	CACTACEAE	FISHHOOK CACTUS, WRIGHT	UT
2	SCROPHULARIA ATRATA	SCROPHULARIACEAE	FIGWORT, BLACK-FLOWERED	CA
1	SCROPHULARIA COCCINEA	SCROPHULARIACEAE	FIGWORT,	NM
5	SCROPHULARIA MACRANTHA	*** SEE ***	SCROPHULARIA COCCINEA	
2	SCROPHULARIA VILLOSA	SCROPHULARIACEAE	FIGWORT, SANTA CATALINA	CA
2	SCUTELLARIA FLORIDANA	LAMIACEAE		FL
2	SCUTELLARIA HOLMGRENIIORUM	LAMIACEAE	SKULLCAP, RAVENDALE	CA
2	SCUTELLARIA LAEVIS	LAMIACEAE		TX
1	SCUTELLARIA MONTANA	LAMIACEAE	SKULLCAP, LARGE-FLOWERED	GA TN
1	• SCUTELLARIA DCMULGEE	LAMIACEAE	SKULLCAP,	SA
2	SCUTELLARIA OVATA SSP. PSEUDOCARGUTA	LAMIACEAE	SKULLCAP, HEART-LEAVED,	VA WV
5	SCUTELLARIA SERRATA VAR. MONTANA	*** SEE ***	SCUTELLARIA MONTANA	
2	SCUTELLARIA THIERETII	LAMIACEAE		LA
2	SEDUM ALBOMARGINATUM	CRASSULACEAE	STONECROP, FEATHER RIVER	CA
1	SEDUM LAXUM SSP. EASTWOODIAE	CRASSULACEAE		CA
2	SEDUM LAXUM SSP. FLAVIDUM	CRASSULACEAE	STONECROP, PALE YELLOW	CA
3C	SEDUM LAXUM SSP. HECKNERI	CRASSULACEAE		CA OR
2	SEDUM MORANII	CRASSULACEAE	STONECROP,	OR
2	SEDUM NEVILLI	CRASSULACEAE	STONECROP,	AL GA TN
3C	SEDUM NIVEUM	CRASSULACEAE		CA
2	SEDUM OBLANCEGLATUM	CRASSULACEAE		OR
2	SEDUM OBTUSATUM SSP. PARADISUM	CRASSULACEAE	STONECROP, CANYON CREEK	CA
2	• SEDUM PINETORUM	CRASSULACEAE	STONECROP, PINE CITY	CA
2	SEDUM PUSILLUM	CRASSULACEAE		GA NC SC
3B	SEDUM RADIATUM SSP. DEPAUPERATUM	CRASSULACEAE		CA OR
2	SEDUM ROBERTSIANUM	CRASSULACEAE		TX
2	SEDUM ROSEA VAR. ROANENSIS	CRASSULACEAE		NC TN
3C	SEDUM TEXANUM	CRASSULACEAE	STONECROP, TEXAS	TX
5	SEDUM TEXANUM	*** SEE ***	LENDOPHYLLUM TEXANUM	
2	SELASINELLA UTAHENSIS	SELASINELLACEAE		NV UT
3C	SELENIA JONESII	BRASSICACEAE	SELENIA, JONES'	TX
3C	SENECIO ANTENNARIIFOLIUS	ASTERACEAE	RAGWORT, FUSSYTOES	MO PA VA WV
2	SENECIO BERNARDINUS	ASTERACEAE	BUTTERWEED, SAN BERNARDINO	CA
3C	SENECIO CARDAMINE	ASTERACEAE		AZ NM
3B	SENECIO CLEVELANDII VAR. HETEROPHYLLUS	ASTERACEAE		CA
2	SENECIO DIMORPHOPHYLLUS VAR. INTERMEDIUS	ASTERACEAE	GROUNDSEL, INTERMEDIATE	CO UT
1	SENECIO ERITTERAE	ASTERACEAE	RAGWORT, ERITTER'S	OR
1T	SENECIO FRANCISCANUS	ASTERACEAE	GROUNDSEL, SAN FRANCISCO PEAKS	AZ
2	SENECIO GANDERI	ASTERACEAE	BUTTERWEED, GANDER	CA
3B	SENECIO HALLII VAR. DISCOIDEA	ASTERACEAE	GROUNDSEL,	CO
2	SENECIO HESPERIUS	ASTERACEAE		OR
1	SENECIO HUACHUCANUS	ASTERACEAE	GROUNDSEL, HUACHUCA	AZ, Mexico
2	SENECIO LAYNEAE	ASTERACEAE	BUTTERWEED, LAYNE'S	CA
3B	SENECIO LYNCEUS VAR. LEUCOREUS	ASTERACEAE		NV
3C	SENECIO MILLEFOLIUM	ASTERACEAE		GA NC SC
3C	SENECIO NEOWEBSTERI	ASTERACEAE		WA
3C	SENECIO PORTERI	ASTERACEAE	GROUNDSEL, PORTER'S	CO OR
2	SENECIO QUADERENS	ASTERACEAE		NM
3B	SENECIO SANDVICENSIS	ASTERACEAE		HI
3B	SENECIO WARNOCKII	ASTERACEAE		TX
1	SERIANTHES NELSONII	FABACEAE	HAYUM LAGU	BU, Rota
1	SESBANIA ARBOREA	FABACEAE	'OHAU	HI
1	SESBANIA HAWAIIENSIS	FABACEAE	'OHAU	HI
1	• SESBANIA HOBDOYI	FABACEAE	'OHAU	HI
1	SESBANIA MOLOKAIENSIS	FABACEAE	'OHAU	HI
1	SESBANIA TOMENTOSA	FABACEAE	'OHAU	HI
5	SESBANIA TOMENTOSA VAR. MOLOKAIENSIS	*** SEE ***	SESBANIA MOLOKAIENSIS	
1	• SEGUIVIUM TRIANTHEMIOIDES	AIZOACEAE	SEA-PURSLANE, TEXAS	TX
3B	SEYMERIA HAVARDII	SCROPHULARIACEAE		TX
2	SHORTIA GALACIFOLIA	DIAPENSIACEAE	OCONEE-BELLS	GA NC SC
3B	SHORTIA GALACIFOLIA VAR. BREVI-STYLA	DIAPENSIACEAE	OCONEE-BELLS, SHORT-STYLED	GA NC SC
2	SHOSHONEA PULVINATA	APIACEAE		WY
1	• SIBARA FILIFOLIA	BRASSICACEAE	ROCK CRESS, ISLAND	CA
2	SIBARA GRISEA	BRASSICACEAE		NM
3C	SIBARA ROSULATA	BRASSICACEAE		CA
5	SICYOS ATOLLENSIS	*** SEE ***	CLADOCARPA ATOLLENSIS	
5	SICYOS CAUMII	*** SEE ***	CLADOCARPA CAUMII	
5	SICYOS LAMOUREUXII	*** SEE ***	CLADOCARPA LAMOUREUXII	
1	SICYOS LAYSANENSIS	CUCURBITACEAE		HI
5	SICYOS MAXIMOWICZII	*** SEE ***	CLADOCARPA MAXIMOWICZII	
1	SICYOS NIHOAENSIS	CUCURBITACEAE		HI
5	SICYOS NIHAUENSIS	*** SEE ***	CLADOCARPA NIHAUENSIS	
5	SICYOS SEMITONSUS	*** SEE ***	CLADOCARPA SEMITONSUS	
5	SIDA EGGERSI	*** SEE ***	ABUTILON VIRGINIANUM	
3C	SIDA HERMAPHRODITA	MALVACEAE	MALLOW, VIRGINIA	DC IN KY MO MI OH PA TN
2	SIDA INFLEXA	MALVACEAE		VA WV
2	SIDA LEDYARDII	MALVACEAE		VA
2	SIDA NELSONII	MALVACEAE		HI
2	SIDA RUBROMARGINATA	MALVACEAE		MI
2	SIDALCEA CARPESTRIS	MALVACEAE	CHECKER-MALLOW, MEADOW	FL
3C	SIDALCEA CANDIDA	MALVACEAE		OR
2	SIDALCEA COVILLEI	MALVACEAE	CHECKER-MALLOW, OWENS VALLEY	CO NV NM UT WY
				CA

STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
3C	SIDALCEA CUSICKII	MALVACEAE		OR
2	SIDALCEA HICKMANII SSP. ANOMALA	MALVACEAE	SIDALCEA, CUESTA PASS	CA
2	SIDALCEA HICKMANII SSP. HICKMANII	MALVACEAE	SIDALCEA, HICKMAN	CA
2	SIDALCEA HICKMANII SSP. PARISHII	MALVACEAE	SIDALCEA, PRAISH	CA
2	SIDALCEA HICKMANII SSP. VIRIDIS	MALVACEAE	MALLOW, MARIN	CA
1	SIDALCEA KECKII	MALVACEAE	SIDALCEA, KECK	CA
3C	SIDALCEA MALVAEFLOREA SSP. ELEGANS	MALVACEAE		CA OR
2	SIDALCEA NELSONIANA	MALVACEAE	CHECKER-MALLOW, NELSON'S	OR
3B	SIDALCEA OREGANA SSP. HYDROPHILA	MALVACEAE	CHECKER-MALLOW, WATER-LOVING	CA
2	SIDALCEA OREGANA SSP. VALIDA	MALVACEAE	CHECKER-MALLOW, KENWOOD MARSH	CA
2	SIDALCEA OREGANA VAR. CALVA	MALVACEAE		WA
LE	SIDALCEA PEDATA	MALVACEAE	CHECKER-MALLOW, PEDATE	CA
2	SIDALCEA ROBUSTA	MALVACEAE	SIDALCEA, BUTTE COUNTY	CA
3C	SIDALCEA SETOSA	MALVACEAE		CA OR
1	SIDALCEA STIPULARIS	MALVACEAE		CA
1	SILENE ALEXANDRI	CARYOPHYLLACEAE		HI
3C	SILENE APERTA	CARYOPHYLLACEAE		CA
1	SILENE CAMPANULATA SSP. CAMPANULATA	CARYOPHYLLACEAE		CA
2	SILENE CLOKEYI	CARYOPHYLLACEAE		NV
1	SILENE CRYPTOPETALA	CARYOPHYLLACEAE		HI
1	SILENE DEGENERI	CARYOPHYLLACEAE		HI
2	SILENE DOUGLASII VAR. ORARIA	CARYOPHYLLACEAE	CATCHFLY, CASCADE HEAD	OR
1	SILENE HAWAIIENSIS	CARYOPHYLLACEAE		HI
3C	SILENE INVISA	CARYOPHYLLACEAE	CATCHFLY, RED FIR	CA
1	SILENE LANCEOLATA	CARYOPHYLLACEAE		HI
2	SILENE MARMORENSIS	CARYOPHYLLACEAE	CATCHFLY, MARBLE MOUNTAINS	CA
2	SILENE OCCIDENTALIS SSP. LONGISTIPITATA	CARYOPHYLLACEAE	CAMPION, BUTTE COUNTY	CA
1	SILENE PETERSONII VAR. MINOR	CARYOPHYLLACEAE	CATCHFLY, RED CANYON	UT
2	SILENE PETERSONII VAR. PETERSONII	CARYOPHYLLACEAE	CATCHFLY, PLATEAU	UT
3C	SILENE FLANKII	CARYOPHYLLACEAE		NM TX
1	SILENE POLYPETALA	CARYOPHYLLACEAE		FL GA
2	SILENE RECTIRAMEA	CARYOPHYLLACEAE		AZ
2	SILENE REGIA	CARYOPHYLLACEAE		AL AR GA IL IN KS KY MD
3C	SILENE SCAPOSA VAR. LOBATA	CARYOPHYLLACEAE		OH OK
2	SILENE SCAPOSA VAR. SCAPOSA	CARYOPHYLLACEAE		ID NV OR
2	SILENE SEELYI	CARYOPHYLLACEAE		OR
2	SILENE SPALDINGII	CARYOPHYLLACEAE		WA
2	SILENE VERECUNDA SSP. VERECUNDA	CARYOPHYLLACEAE	CAMPION, DOLORES	ID MT OR WA
3C	SILENE WRIGHTII	CARYOPHYLLACEAE		CA
2	SILPHIUM BRACHIATUM	ASTERACEAE	ROSWINEED,	AL TN
2	SILPHIUM CONFERTIFOLIUM	ASTERACEAE		AL MS
3B	SILPHIUM INTEGRIFOLIUM VAR. GATTINGERI	ASTERACEAE	ROSWINEED,	TN
3B	SISYMBRIUM KEARNEYI	BRASSICACEAE		AZ
2	SISYRINCHIUM SARMENTOSUM	IRIDACEAE		WA
2	SIUM FLORIDANUM	APIACEAE	WATER-PARSNIP, FLORIDA	AL FL
2	SMELOWSKIA BOREALIS VAR. VILLOSA	BRASSICACEAE		AK
3C	SMELOWSKIA HOLMORENII	BRASSICACEAE		NV
2	SMELOWSKIA OVALIS SSP. CONGESTA	BRASSICACEAE		CA
2	SMELOWSKIA PYRIFORMIS	BRASSICACEAE		AK
1	SMILAX LEPTANTHERA	LILIACEAE		GA
2	SMILAX MELASTOMIFOLIA VAR. MELASTOMIFOLIA	LILIACEAE		HI
3A	SOLANUM BAHAMENSE VAR. RUGELII	SOLANACEAE	NIGHTSHADE,	FL
2	SOLANUM CAROLINENSE VAR. FLORIDANUM	SOLANACEAE		FL
1	SOLANUM CAROLINENSE VAR. HIRSUTUM	SOLANACEAE	HORSE-NETTLE,	GA
1	SOLANUM CONOCARPUM	SOLANACEAE		VI
1	SOLANUM DRYMOPHILUM	SOLANACEAE	ERUBIA	PR
3	SOLANUM GODFREYI	*** SEE ***	SOLANUM CAROLINENSE VAR. FLORIDANUM	
1	SOLANUM HALEAKALAEENSE	SOLANACEAE		HI
1	SOLANUM HILLEBRANDII	SOLANACEAE		HI
1	SOLANUM INCOMPLETUM	SOLANACEAE	POPOLO, THORNY	HI
1	SOLANUM KAUAIENSE	SOLANACEAE	POPOLO-'AI-A-KE-AKUA	HI
2	SOLANUM MUCRONATUM	SOLANACEAE		PR VI
3C	SOLANUM NELSONII VAR. NELSONII	SOLANACEAE	NIGHTSHADE, NELSON	HI
1	SOLANUM NELSONII VAR. THOMASIAEFOLIUM	SOLANACEAE		HI
1	SOLANUM SANDWICENSE	SOLANACEAE		HI
2	SOLANUM TENULOBATUM	SOLANACEAE	NIGHTSHADE, NARROW-LEAVED	CA, Mexico
2	SOLANUM WOODSBURYI	SOLANACEAE		PR
1	SOLIDAGO ALBOPILOSA	ASTERACEAE	GOLDENROD,	KY
3C	SOLIDAGO ARGUTA VAR. HARRISSII	ASTERACEAE		MD PA VA WV
3	SOLIDAGO HARRISSII	*** SEE ***	SOLIDAGO ARGUTA VAR. HARRISSII	
1	SOLIDAGO HOUGHTONII	ASTERACEAE	GOLDENROD, HOUGHTON'S	MI, Canada (Ont.)
3C	SOLIDAGO LINDHEIMERIANA	ASTERACEAE		TX
3C	SOLIDAGO MOLLIS VAR. ANGUSTATA	ASTERACEAE		TX
2	SOLIDAGO PORTERI	ASTERACEAE	GOLDENROD, PORTER'S	GA
1	SOLIDAGO PULCHRA	ASTERACEAE		NC
LE	SOLIDAGO SHORTII	ASTERACEAE	GOLDENROD, SHORT'S	KY
LT	SOLIDAGO SPITHAMEA	ASTERACEAE		NC TN
2	SOLIDAGO VERNA	ASTERACEAE		NC SC
3C	SOPHORA ARIZONICA	FABACEAE		AZ
2	SOPHORA CHRYSOPHYLLA VAR. CIRCULARIS	FABACEAE		HI
2	SOPHORA CHRYSOPHYLLA VAR. ELLIPTICA	FABACEAE		HI



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	SOPHORA CHRYSOPHYLLA VAR. GLABRATA	FABACEAE		HI
1	SOPHORA CHRYSOPHYLLA VAR. GRISEA	FABACEAE		HI
2	SOPHORA CHRYSOPHYLLA VAR. KANAIDENSIS	FABACEAE		HI
2	SOPHORA CHRYSOPHYLLA VAR. KAUENSIS	FABACEAE		HI
3A	SOPHORA CHRYSOPHYLLA VAR. LANAIENSIS	FABACEAE		HI
1	SOPHORA CHRYSOPHYLLA VAR. MAKUENSIS	FABACEAE		HI
1	SOPHORA CHRYSOPHYLLA VAR. UNIFOLIATA	FABACEAE		HI
3B	SOPHORA FORMOSA	FABACEAE		AZ
2	SOPHORA GYPSOPHILA VAR. GUADALUPENSIS	FABACEAE		NM TX
2	SOPHORA LEACHIANA	FABACEAE		OR
2	SPHAERALCEA CAESPITOSA	MALVACEAE	GLOBE-MALLOW, JONES	NV UT
3B	SPHAERALCEA FENDLERI VAR. ALBESCENS	MALVACEAE	GLOBE-MALLOW,	AZ
2	SPHAERALCEA PROCERA	MALVACEAE		NM
2	SPHAERALCEA PSORALOIDES	MALVACEAE		UT
2	SPHAERALCEA RUSBYI SSP. EREMICOLA	MALVACEAE	MALLOW, DESERT, RUSBY	CA
1	SPHAEROMERIA COMPACTA	ASTERACEAE	TANSY,	NV
2	SPHAEROMERIA RUTHIAE	ASTERACEAE	TANSY, ZION	UT
2	SPHAEROMERIA SIMPLEX	ASTERACEAE	FALSE SAGEBRUSH, LARAMIE	WY
2	SPHENOSTIGMA COELESTINUM	IRIDACEAE	IXIA, BARTRAM'S	FL
2	SPIGELIA GENTIANOIDES	LOGANIACEAE	PINKROOT,	FL
3C	SPIGELIA LOGANIACEAE	LOGANIACEAE	PINKROOT,	FL
3C	SPIGELIA TEXANA	LOGANIACEAE		TX
2	SPIRAEA VIRGINIANA	ROSACEAE	SPIRAEA, VIRGINIA	SA NC VA TN WV
2	SPIRANTHES DILUVIALIS	ORCHIDACEAE		CO UT
2	SPIRANTHES LANCEOLATA VAR. PALUDICOLA	ORCHIDACEAE	LADIES'-TRESSES,	FL
LE	SPIRANTHES PARKSII	ORCHIDACEAE	LADIES'-TRESSES, NAVASOTA	TX
2	SPIRANTHES POLYANTHA	ORCHIDACEAE		FL PR, Bahamas, Dominican Republic, Guatemala, Mexico
5	SPOROBOULUS NEGLECTUS VAR. OZARKANUS	*** SEE ***	SPOROBOULUS OZARKANUS	
2	SPOROBOULUS OZARKANUS	POACEAE		KS MO
3B	SPOROBOULUS PATENS	POACEAE	DROPSSEED,	AZ
2	SPOROBOULUS TERETIFOLIUS	POACEAE		GA NC SC
2	STACHYS HYSSOPIFOLIA VAR. LYTHROIDES	LAMIACEAE		FL
3	STACHYS LYTHROIDES	*** SEE ***	STACHYS HYSSOPIFOLIA VAR. LYTHROIDES	
1	STANLIA MGNOSPERMA	FABACEAE	COBANA NEGRA	PR, Dominican Republic
3B	STANLEYA PINNATA VAR. GIBBEROSA	BRASSICACEAE		WY
5	STEIRONEHA CILIATUM	*** SEE ***	STEIRONEHA LAEVIGATUM	
3C	STEIRONEHA LAEVIGATUM	PRINULACEAE	LOGGESTRIFE, FRINGED	AL AZ CO CT FL ID LA NE MA MS MI NH NM OR RI TX VT WA, Canada (B.C., N.S.)
5	STELLARIA FONTINALIS	*** SEE ***	ARENARIA FONTINALIS	
3C	STELLARIA LARIGUA	CARYOPHYLLACEAE	CHICKWEED, (STARWORT,)	CO NM, U.S.S.R.
3C	STENANDRIUM FASCICULARIS	ACANTHACEAE		TX, Mexico
1	STENOBYNE AFFINIS VAR. AFFINIS	LAMIACEAE		HI
1	STENOBYNE AFFINIS VAR. DEGENERI	LAMIACEAE		HI
LE	STENOBYNE ANGUSTIFOLIA VAR. ANGUSTIFOLIA	LAMIACEAE		HI
1	STENOBYNE ANGUSTIFOLIA VAR. MILLEBRANDII	LAMIACEAE		HI
1	STENOBYNE ANGUSTIFOLIA VAR. MAUIENSIS	LAMIACEAE		HI
1	STENOBYNE ANGUSTIFOLIA VAR. MEEBOLDII	LAMIACEAE		HI
1	STENOBYNE ANGUSTIFOLIA VAR. SPATHULATA	LAMIACEAE		HI
2	STENOBYNE CALAMINTHOIDES VAR. OXYODONATA	LAMIACEAE		HI
1	STENOBYNE CINEREA	LAMIACEAE		HI
1	STENOBYNE CRENATA	LAMIACEAE	STENOBYNE, CRENATE-LEAVED	HI
2	STENOBYNE DIFFUSA	LAMIACEAE		HI
2	STENOBYNE GLABRATA	LAMIACEAE		HI
2	STENOBYNE HALIAKALAE	LAMIACEAE	STENOBYNE, HALEAKALA	HI
2	STENOBYNE HIRSUTULA	LAMIACEAE		HI
1	STENOBYNE KANEHOANA	LAMIACEAE		HI
1	STENOBYNE MACRANTHA	LAMIACEAE		HI
1	STENOBYNE MICROPHYLLA	LAMIACEAE		HI
1	STENOBYNE MOLLIS	LAMIACEAE		HI
2	STENOBYNE OXYGONA	LAMIACEAE		HI
2	STENOBYNE PURPUREA VAR. FORSESI	LAMIACEAE		HI
1	STENOBYNE ROTUNDFOLIA VAR. OBLONGA	LAMIACEAE		HI
5	STENOBYNE RUBOSA VAR. MOLLIS	*** SEE ***	STENOBYNE MOLLIS	
2	STENOBYNE RUBOSA VAR. SUBULATA	LAMIACEAE	MA'OHII'OHII	HI
3B	STENOBYNE SALICIFOLIA	LAMIACEAE		HI
1	STENOBYNE SCANDENS	LAMIACEAE		HI
2	STENOBYNE SCROPHULARIOIDES	LAMIACEAE		HI
1	STENOBYNE SESSILIS VAR. HEYANTHA	LAMIACEAE		HI
1	STENOBYNE SESSILIS VAR. LANIENSIS	LAMIACEAE		HI
1	STENOBYNE SESSILIS VAR. WILKESII	LAMIACEAE		HI
1	STENOBYNE SHERFFII	LAMIACEAE		HI
1	STENOBYNE SOADRIA	LAMIACEAE		HI
1	STENOBYNE VAGANS	LAMIACEAE		HI
2	STENOBYNE VIRIDIS	LAMIACEAE		HI
5	STEPHANOMERIA BLAIRII	*** SEE ***	MUNZOTHAMNUS BLAIRII	
LE	STEPHANOMERIA MALHEURENSIS	ASTERACEAE	WIRE-LETTUCE, MALHEUR	OR
3C	STEPHANOMERIA SCHOTTII	ASTERACEAE	WIRE-LETTUCE, SCHOTT'S	AZ
2	STILLINGIA SYLVATICA SSP. TENUIS	EUPHORBACEAE		FL
3C	STIPA CURVIFOLIA	POACEAE		NM

STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
3B	STIPA LEMMONII VAR. PUBESCENS	POACEAE	NEEDLE GRASS, HAIRY LEMMON'S	CA
2	STREPTANTHUS ALBIDUS SSP. ALBIDUS	BRASSICACEAE	JEWELFLOWER, METCALF CANYON	CA
2	STREPTANTHUS BATRACHOPUS	BRASSICACEAE	STREPTANTHUS, TAMALPAIS	CA
3C	STREPTANTHUS BERNARDINUS	BRASSICACEAE		CA
2	STREPTANTHUS BRACHIATUS	BRASSICACEAE	STREPTANTHUS, CONTACT MINE	CA
2	STREPTANTHUS BRACIATUS	BRASSICACEAE		TX
2	STREPTANTHUS CALLISTUS	BRASSICACEAE	JEWELFLOWER, ROYAL	CA
3C	STREPTANTHUS CARINATUS	BRASSICACEAE		TX
2	STREPTANTHUS CORDATUS VAR. FIUTENSIS	BRASSICACEAE		CA
2	STREPTANTHUS CUTLERI	BRASSICACEAE		TX
3C	STREPTANTHUS FARNSWORTHIANUS	BRASSICACEAE	JEWELFLOWER, EVALYN'S	CA
3C	STREPTANTHUS FENESTRATUS	BRASSICACEAE		CA
2	STREPTANTHUS GLANDULOSUS VAR. HOFFMANII	BRASSICACEAE		CA
3C	STREPTANTHUS GLANDULOSUS VAR. PULCHELLUS	BRASSICACEAE		CA
3C	STREPTANTHUS BRACILIS	BRASSICACEAE	STREPTANTHUS, ALPINE	CA
2	STREPTANTHUS HISPIDUS	BRASSICACEAE	JEWELFLOWER, MT. DIABLO	CA
2	STREPTANTHUS HOWELLII	BRASSICACEAE		CA OR
2	STREPTANTHUS INDIENSIS SSP. LYONII / INED.	BRASSICACEAE	JEWELFLOWER, BRUHA RANCH	CA
2	STREPTANTHUS LEMMONII	BRASSICACEAE	JEWELFLOWER, LEMMON'S	AZ
2	STREPTANTHUS MORRISONII	BRASSICACEAE	JEWELFLOWER, MORRISON'S	CA
1	STREPTANTHUS NIGER	BRASSICACEAE	JEWELFLOWER, TIBURON	CA
3C	STREPTANTHUS OLIGANTHUS	BRASSICACEAE	STREPTANTHUS, MASONIC MOUNTAIN	CA NV
2	STREPTANTHUS SPARSIFLORUS	BRASSICACEAE	JEWELFLOWER, SPARSELY-FLOWERED	TX
2	STREPTANTHUS SQUAMIFORMIS	BRASSICACEAE	JEWELFLOWER,	AR OK
2	STROGANOWIA TIEHNI	BRASSICACEAE	STROGANOWIA, TIEH'S	NV
2	STYLISMA PICKERINGII VAR. PICKERINGII	CONVOLVULACEAE	MORNING-GLORY, PICKERING'S	GA NC NJ SC
8	STYLOPHYLLUM TRASKIAE	*** SEE ***	DUDLEYA TRASKIAE	
3B	STYPHELIA TAMEIAMEIAE VAR. HEXAMERA	EPACRIDACEAE		HI
3C	STYRAX PLATANIFOLIA VAR. STELLATA	STYRACACEAE	SILVERBELLS,	TX
3A	STYRAX PORTORICENSIS	STYRACACEAE	FALO DE JAIMIN	PR
LE	STYRAX TEXANA	STYRACACEAE	SNOWBELLS, TEXAS	TX
2	STYRAX YOUNGAE	STYRACACEAE		TX, Mexico
1	* SUAEQA DURIPES	CHENOPODIACEAE	SEEPWEED, HARDTOE	TX
3C	SULLIVANTIA HAPEMANII	SAXIFRAGACEAE		MT WY
8	SULLIVANTIA OHIONIS	*** SEE ***	SULLIVANTIA SULLIVANTII	
2	SULLIVANTIA OREGANA	SAXIFRAGACEAE		OR WA
3C	SULLIVANTIA PURPUSII	SAXIFRAGACEAE		CO
2	SULLIVANTIA RENIFOLIA	SAXIFRAGACEAE	SULLIVANTIA, KIDNEY-LEAVED	IL IA MN MO WI
3C	SULLIVANTIA SULLIVANTII	SAXIFRAGACEAE	SULLIVANTIA,	IN KY OH
LE	SWALLENIA ALEXANDRAE	POACEAE	GRASS, EUREKA DUNES	CA
8	SWERTIA COLORADENSIS	*** SEE ***	FRASERA COLORADENSIS	
2	SYMPHORICARPOS GUADALUPENSIS	CAPRIFOLIACEAE		TX
2	SYNANDRA HISPIDULA	LAMIACEAE	SYNANDRA,	AL IL IN KY NC OH TN VA WV MT
3C	SYNTHYRIS CANDYI	SCROPHULARIACEAE		
8	SYNTHYRIS HENDERSONII	*** SEE ***	SYNTHYRIS PINNATIFIDA VAR. CANESCENS	
2	* SYNTHYRIS MISSURICA SSP. HIRSUTA	SCROPHULARIACEAE		OR
3C	SYNTHYRIS MISSURICA SSP. STELLATA / INED.	SCROPHULARIACEAE		OR WA
3C	SYNTHYRIS PINNATIFIDA VAR. CANESCENS	SCROPHULARIACEAE		IO MT
3C	SYNTHYRIS PINNATIFIDA VAR. LANUGINOSA	SCROPHULARIACEAE		WA
3C	SYNTHYRIS PLATYCARPA	SCROPHULARIACEAE		ID
1	SYNTHYRIS RANUNCULINA	SCROPHULARIACEAE	KITTENTAILS,	NV
3C	SYNTHYRIS SCHIZANTHA	SCROPHULARIACEAE		OR WA
2	TAENIDIA MONTANA	APIACEAE	PIMPERNEL, MOUNTAIN	MD PA VA WV
3C	TABETES LEMMONII	ASTERACEAE		AZ
3B	TALINUM APPALACHIANUM	PORTULACACEAE		AL
2	TALINUM CALCARICUM	PORTULACACEAE		AL TN
3B	TALINUM GOODINGII	PORTULACACEAE	FLAMEFLOWER, GOODING	AZ
2	TALINUM MARGINATUM	PORTULACACEAE		AZ, Mexico
3C	TALINUM MENGESII	PORTULACACEAE		AL GA
3C	TALINUM OKANOGANENSE	PORTULACACEAE		WA, Canada (B.C.)
2	TALINUM RUBROSPERMUM	PORTULACACEAE		IA IL IN MN WI
2	TALINUM VALIDULUM	PORTULACACEAE		AZ UT
2	TANACETUM CAMPHORATUM	ASTERACEAE	TANSY, DUNE	CA
8	TANACETUM COMPACTUM	*** SEE ***	SPHAEROMERIA COMPACTA	
8	TANACETUM SIMPLEX	*** SEE ***	SPHAEROMERIA SIMPLEX	
1	TARAXACUM CALIFORNICUM	ASTERACEAE	DANDELION, CALIFORNIA	CA
2	TARAXACUM CARNEOCOLORATUM	ASTERACEAE		AK, Canada (Yukon)
3C	TAUSCHIA GLAUCA	APIACEAE	TAUSCHIA, GLAUCCUS	CA OR
2	TAUSCHIA HOOVERI	APIACEAE		WA
2	TAUSCHIA HOWELLII	APIACEAE	TAUSCHIA, HOWELL'S	CA OR
3C	TAUSCHIA STRICKLANDII	APIACEAE		OR WA
3C	TAUSCHIA TENUISSIMA	APIACEAE		ID WA
1	TAYUS FLORIDANA	TAYACEAE	YEW, FLORIDA	FL
2	TECTARIA AMESIANA	POLYPODIACEAE		FL, Bahamas
1	TEPHROSIA ANGUSTISSIMA	FABACEAE		FL
2	TEPHROSIA MOHRII	FABACEAE		AL FL GA
1	TERNSTROEMIA LUDWIGIENSIS	THEACEAE	FALO COLORADO	FR
1	TERNSTROEMIA SUBSESSILIS	THEACEAE		PR
2	TETRACOCCLUS DIGICUS	EUPHORBIACEAE	TETRACOCCLUS, PARRY'S	CA, Mexico
2	TETRACOCCLUS ILICIFOLIUS	EUPHORBIACEAE	TETRACOCCLUS, HOLLY-LEAVED	CA
1	* TETRAMOLOPIUM ARBUSCULUM	ASTERACEAE		HI
1	* TETRAMOLOPIUM ARENARIUM	ASTERACEAE		HI



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
1	* TETRAMOLOPIUM CAPILLARE	ASTERACEAE		HI
1	TETRAMOLOPIUM CONGANGUINEUM	ASTERACEAE		HI
1	* TETRAMOLOPIUM CONYZOIDES	ASTERACEAE		HI
1	TETRAMOLOPIUM FILIFORME	ASTERACEAE		HI
1	TETRAMOLOPIUM HUMILE VAR. SUBLAEVE	ASTERACEAE		HI
39	TETRAMOLOPIUM KAVAIENSIS VAR. KOLDANA	ASTERACEAE		HI
1	TETRAMOLOPIUM LEPIDOTUM	ASTERACEAE		HI
1	TETRAMOLOPIUM POLYPHYLLUM	ASTERACEAE		HI
1	TETRAMOLOPIUM Remyi	ASTERACEAE		HI
1	TETRAMOLOPIUM ROCKII	ASTERACEAE		HI
1	* TETRAMOLOPIUM TENERRIMUM	ASTERACEAE		HI
38	TETRAMOLOPIUS KAVAIENSIS VAR. KOLDANA	ARALIACEAE		HI
2	TETRAPLASANDRA BISATTENUATA	ARALIACEAE		HI
38	TETRAPLASANDRA GYMNOCARPA VAR. PUPUKEENSIS	ARALIACEAE	'OHE,	HI
2	TETRAPLASANDRA HAWAIIENSIS VAR. HAWAIIENSIS	ARALIACEAE		HI
1	TETRAPLASANDRA HAWAIIENSIS VAR. MICROCARPA	ARALIACEAE	'OHE,	HI
2	TETRAPLASANDRA KAALAE VAR. MULTIPLEX	ARALIACEAE	'OHE,	HI
38	TETRAPLASANDRA KAHANANA	ARALIACEAE		HI
1	TETRAPLASANDRA KAVAIENSIS VAR. DIPYRENA	ARALIACEAE	'OHE 'OHE,	HI
1	TETRAPLASANDRA KAVAIENSIS VAR. GRANDIS	ARALIACEAE	'OHE 'OHE,	HI
1	* TETRAPLASANDRA KAVAIENSIS VAR. INTERCEDENS	ARALIACEAE	'OHE 'OHE,	HI
1	TETRAPLASANDRA KAVAIENSIS VAR. KOLDANA	ARALIACEAE		HI
1	* TETRAPLASANDRA KAVAIENSIS VAR. NAHIKUENSIS	ARALIACEAE		HI
1	TETRAPLASANDRA KAVAIENSIS VAR. OCCIDUA	ARALIACEAE		HI
1	TETRAPLASANDRA KOHALAE	ARALIACEAE		HI
1	* TETRAPLASANDRA LANAIENSIS	ARALIACEAE		HI
2	TETRAPLASANDRA LIHUENSIS VAR. GRACILIPES	ARALIACEAE		HI
1	TETRAPLASANDRA LYDGATEI	ARALIACEAE		HI
2	TETRAPLASANDRA MEIANDRA VAR. BISOBTUSA	ARALIACEAE		HI
1	TETRAPLASANDRA MEIANDRA VAR. BRYANII	ARALIACEAE		HI
1	TETRAPLASANDRA MEIANDRA VAR. DEGENERI	ARALIACEAE		HI
1	TETRAPLASANDRA MEIANDRA VAR. HILLEBRANDII	ARALIACEAE		HI
2	TETRAPLASANDRA MEIANDRA VAR. HILOENSIS	ARALIACEAE		HI
1	* TETRAPLASANDRA MEIANDRA VAR. LEPTOMERA	ARALIACEAE		HI
1	TETRAPLASANDRA MEIANDRA VAR. MAKALEHANA	ARALIACEAE		HI
2	TETRAPLASANDRA MEIANDRA VAR. RHYNCHOCARPOIDES	ARALIACEAE		HI
2	TETRAPLASANDRA MEIANDRA VAR. SIMULANS	ARALIACEAE		HI
1	* TETRAPLASANDRA MUNROI	ARALIACEAE		HI
1	TETRAPLASANDRA OAHUENSIS VAR. ERADIATA	ARALIACEAE		HI
2	TETRAPLASANDRA OAHUENSIS VAR. FAURIEI	ARALIACEAE		HI
2	TETRAPLASANDRA OAHUENSIS VAR. HAILIENSIS	ARALIACEAE		HI
2	TETRAPLASANDRA OAHUENSIS VAR. LONGIPES	ARALIACEAE		HI
2	TETRAPLASANDRA OAHUENSIS VAR. PSEUDORHACHIS	ARALIACEAE		HI
2	TETRAPLASANDRA PUPUKEENSIS VAR. NITIDA	ARALIACEAE		HI
1	TETRAPLASANDRA PUPUKEENSIS VAR. PUPUKEENSIS	ARALIACEAE		HI
2	TETRAPLASANDRA PUPUKEENSIS VAR. VENOSA	ARALIACEAE		HI
2	TETRAPLASANDRA TURBANS	ARALIACEAE		HI
2	TETRAPLASANDRA WAIALEALAE VAR. URCEOLATA	ARALIACEAE		HI
1	TETRAPLASANDRA WAIAIENSIS	ARALIACEAE	TETRAPLASANDRA, WAIAIAE	HI
2	TETRAPLASANDRA WAIMEAE VAR. ANGUSTIOR	ARALIACEAE		HI
1	THALICTRUM COOLEYI	RANUNCULACEAE	MEADOWRUE, COOLEY'S	FL NC
3C	THALICTRUM DEBILE	RANUNCULACEAE		AL AR GA MS TX
2	THALICTRUM HELIOPHILUM	RANUNCULACEAE		CD
2	THALICTRUM STEELEANUM	RANUNCULACEAE	MEADOW-RUE, STEELE'S	DC MD PA VA WV
2	THALICTRUM TEXANUM	RANUNCULACEAE		TX
2	THELESPERMA PUBESCENS	ASTERACEAE		WY
2	THELESPERMA SUBNUDUM VAR. ALPINUM	ASTERACEAE		UT
3C	THELOCACTUS BICOLOR VAR. FLAVIDISPINUS	CACTACEAE		TX, Mexico
2	THELYPODIOPSIS ARGILLACEA	BRASSICACEAE	THELYPODY, CLAY	UT
3C	THELYPODIUM BRACHYCARPUM	BRASSICACEAE	THELYPODY, SHORT-PODDED	CA DR
2	THELYPODIUM EUCOSMUM	BRASSICACEAE		OR
1	THELYPODIUM HOWELLII VAR. SPECTABILIS	BRASSICACEAE		OR
3C	THELYPODIUM LAXIFLORUM	BRASSICACEAE		AZ CO NV UT
1	THELYPODIUM REPANDUM	BRASSICACEAE	THELYPODY, JAEGER'S (NAVY-LEAF)	ID
3C	THELYPODIUM SAGITTATUM VAR. OVALIFOLIUM	BRASSICACEAE		NV UT
LE	THELYPODIUM STENOPETALUM	BRASSICACEAE	MUSTARD, SLENDER-PETALED	CA
3C	THELYPODIUM TENUE	BRASSICACEAE	THELYPODY,	TX
3C	THELYPODIUM TEXANUM	BRASSICACEAE	THELYPODY,	TX
38	THELYPODIUM VERNALE	BRASSICACEAE		NM
2	THELYPTERIS PILOSA VAR. ALABAMENSIS	POLYPODIACEAE		AL
2	THERMOPSIS MACROPHYLLA VAR. AGNINA	FABACEAE	FALSE LUPINE, SANTA BARBARA	CA
3C	THERMOPSIS MACROPHYLLA VAR. SEMOTA	FABACEAE		CA
1	* THISMIA AMERICANA	BURMANNIACEAE		IL
2	THLASPI ARCTICUM	BRASSICACEAE		AK, Canada (B.C., Yukon)

STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	THLASPI MONTANUM VAR. CALIFORNICUM	BRASSICACEAE		CA
2	THLASPI MONTANUM VAR. SISKIYOUENSE	BRASSICACEAE		OR
2	THYSANOCARPUS CONCHULIFERUS	BRASSICACEAE	FRINGEPOD, ISLAND	CA
1	TILLANDSIA LINEATISPICA	BRODELIAEAE	PINON	PR VI
3C	TITHONIA THURBERI	ASTERACEAE		AZ, Mexico
5	TITHYMALUS AUSTRINUS	*** SEE ***	EUPHORBIA AUSTRINA	
3B	TOPIELDIA GLUTINOSA SSP. ABSONA	LILIACEAE		ID
LE	TORREYA TAXIFOLIA	TAYACEAE	TORREYA, FLORIDA	FL GA
5	TOUMEYA BRADYI	*** SEE ***	PEDIOCACTUS BRADYI	
5	TOUMEYA KNOWLTONII	*** SEE ***	PEDIOCACTUS KNOWLTONII	
5	TOUMEYA PEEBLESIANUS	*** SEE ***	PEDIOCACTUS PEEBLESIANUS VAR. PEEBLESIANUS	
3C	TOWNSENDIA ALPIGENA VAR. MINIMA	ASTERACEAE		UT
LT	TOWNSENDIA APRICA	ASTERACEAE	TOWNSENDIA, LAST CHANCE	UT
2	TOWNSENDIA JONESII VAR. TUNULOSA	ASTERACEAE		NV
3C	TOWNSENDIA MENSANA	ASTERACEAE		UT
5	TOWNSENDIA MINIMA	*** SEE ***	TOWNSENDIA ALPIGENA VAR. MINIMA	
3C	TOWNSENDIA ROTHROCKII	ASTERACEAE		CO
3C	TOWNSENDIA SMITHII	ASTERACEAE	GROUND-DAISY, BLACK ROCK	AZ
2	TOWNSENDIA SP. NOV. /INED. (MYE CO.)	ASTERACEAE	TOWNSENDIA	NV
2	TOWNSENDIA SP. NOV. INED.	ASTERACEAE		WY
3C	TOWNSENDIA SPATHULATA	ASTERACEAE	TOWNSENDIA, SWORD	WY
2	TRACYINA ROSTRATA	ASTERACEAE	TRACYINA, BEAKED	CA
3C	TRADESCANTIA EDWARDSIANA	COMMELINACEAE		TX
2	TRADESCANTIA DIARKANA	COMMELINACEAE		AR MO OK
3C	TRADESCANTIA WRIGHTII	COMMELINACEAE		NM TX
3C	TRAGIA NIGRICANS	EUPHORBIACEAE		TX
2	TRAGIA SAXICOLA	EUPHORBIACEAE		FL
1	TRENATOLDBELIA WIMMERI	CAMPANULACEAE		HI
1	TRICHILIA TRIACANTHA	MELIACEAE	BARIACO	PR
1	TRICHOMANES DRAYTONIANUM	HYMENOPHYLLACEAE		HI
1	TRICHOSTEMA AUSTROMONTANUM SSP. COMPACTUM	LAMIACEAE	BLUECURLS, HIDDEN LAKE	CA
2	TRIFOLIUM AMDENUM	FABACEAE	CLOVER, SHOWY INDIAN	CA
3C	TRIFOLIUM ANDERSONII SSP. BEATLEYAE	FABACEAE	CLOVER, FIVE-LEAF, BEATLEY'S	CA NV
1	TRIFOLIUM ANDERSONII VAR. FRISCANUM	FABACEAE		UT
2	TRIFOLIUM BARNEBYI	FABACEAE		WY
2	TRIFOLIUM BOLANDERI	FABACEAE	CLOVER, BOLANDER	CA
3C	TRIFOLIUM DEDECKERAE	FABACEAE	CLOVER, DEDECKER	CA
2	TRIFOLIUM LEIBERGII	FABACEAE		OR
3C	TRIFOLIUM LEMMONII	FABACEAE	CLOVER, LEMMON'S	CA NV
2	TRIFOLIUM ONYHEENSE	FABACEAE	CLOVER, ONYHEE	ID OR
3C	TRIFOLIUM PLUMOSUM VAR. AMPLIFOLIUM	FABACEAE		ID
3C	TRIFOLIUM PLUMOSUM VAR. PLUMOSUM	FABACEAE		OR WA
2	TRIFOLIUM POLYODON	FABACEAE	CLOVER, PACIFIC GROVE	CA
1	TRIFOLIUM STOLONIFERUM	FABACEAE	BUFFALO-CLOVER, RUNNING	AR IL IN KS KY MO OH WV
2	TRIFOLIUM THOMPSONII	FABACEAE	CLOVER, THOMPSON	WA
2	TRIFOLIUM TRICHOCALYX	FABACEAE	CLOVER, DEL MONTE	CA
2	TRIFOLIUM VIRGINICUM	FABACEAE	CLOVER, KATE'S-MOUNTAIN	MD PA VA WV
3C	TRILLIUM OVATUM SSP. DETTINGERI	LILIACEAE		CA
LE	TRILLIUM PERSISTENS	LILIACEAE	TRILLIUM, PERSISTENT	GA SC
2	TRILLIUM PUSILLUM VAR. MONTICULUM	LILIACEAE		VA WV
2	TRILLIUM PUSILLUM VAR. DIARKANUM	LILIACEAE	TRILLIUM, LEAST, DIARK	AR KY MO TN
2	TRILLIUM PUSILLUM VAR. PUSILLUM	LILIACEAE		AL KY MS NC SC TN
2	TRILLIUM PUSILLUM VAR. VIRGINIANUM	LILIACEAE	TRILLIUM, LEAST, VIRGINIA	MD VA
2	TRILLIUM RELIQUUM	LILIACEAE		AL GA SC
3C	TRILLIUM TEXANUM	LILIACEAE		LA TX
2	TRIPHORA CRAIGHEADII	ORCHIDACEAE	NODDING-CAPS.	FL
2	TRIPHORA LATIFOLIA	ORCHIDACEAE	NODDING-CAPS.	FL
1	TRIPSACUM FLORIDANUM	FOACEAE	GAMA GRASS.	FL
2	TRIBETUM ORTHOCHAETUM	POACEAE		MT
2	TRITELEIA CLEMENTINA	LILIACEAE		CA
3C	TRITELEIA DUDLEYI	LILIACEAE		CA
3C	TRITELEIA LEMMONAE	LILIACEAE		AZ
3C	TRITELEIOPSIS PALMERI	LILIACEAE		AZ, Mexico
3C	TROLLIUS LAXUS SSP. LAXUS	RANUNCULACEAE		CT NJ NY OH PA
2	TROPIDOCARPUS CAPPARIDEUM	BRASSICACEAE	TROPIDOCARPUS, CAPER-FRUITED	CA
1	TUCTORIA GREENEI	POACEAE	ORCUTT GRASS, GREENE'S	CA
PE	TUMANOCA MACDOUGALII	CUCURBITACEAE	GLOBE-BERRY, TUMAMOC	AZ, Mexico
1	URERA KALAE	URTICACEAE	OPUHE	HI
2	URERA KONAENSIS	URTICACEAE		HI
5	UROSTACHYS HALEAKALAE	*** SEE ***	LYCOPODIUM HALEAKALAE	
5	UROSTACHYS NUTANS	*** SEE ***	LYCOPODIUM NUTANS	
2	URTICA CHAMAEDRYOIDES VAR. RUBYONII	URTICACEAE	ORTIGUILLA.	TX
5	UTAHIA PEEBLESIANUS	*** SEE ***	PEDIOCACTUS PEEBLESIANUS VAR. PEEBLES	lanus
5	UTAHIA SILERI	*** SEE ***	PEDIOCACTUS SILERI	
3B	VACCINIUM COCCINEUM	ERICACEAE	BILBERRY, SISKIYOU MOUNTAINS	CA OR
1	VACCINIUM SEMPERVIRENS	ERICACEAE		SC
3B	VACCINIUM VACILLANS VAR. MISSOURIENSE	ERICACEAE		MO
3C	VALERIANA COLUMBIANA	VALERIANACEAE		WA, Canada (B.C.)
3C	VALERIANA TEXANA	VALERIANACEAE		NM TX
3C	VALERIANA ULIGINOSA	VALERIANACEAE	VALERIAN, MARSH	IL IN NE MI NH NY OH VT
3C				WI, Canada (N.B., Ont., Que.)



STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
3C	VALERIANELLA TEXANA	VALERIANACEAE	CORNSALAD, EDWARDS' PLATEAU	TX
3C	VANCOUVERIA CHRYSANTHA	BERBERIDACEAE		CA OR
2	VAUQUELINIA PAUCIFLORA	ROSACEAE		AZ NM, Mexico
3C	VERATRUM FIMBRIATUM	LILIACEAE		CA
9	VERATRUM INTERMEDIUM	*** SEE ***	VERATRUM WOODII	
3C	VERATRUM WOODII	LILIACEAE	HELLEBORE, FALSE	AR FL GA IL IN IA KY MO OH OK TN TX
1	VERBENA CALIFORNICA	VERBENACEAE		CA
2	VERBENA MARITIMA	VERBENACEAE		FL
1	VERBENA TAMPENSIS	VERBENACEAE	VERVAIN,	FL
2	VERBESINA CHAPMANNII	ASTERACEAE	CROWNBIRD, CHAPMAN'S	FL
1	VERBESINA HETEROPHYLLA	ASTERACEAE		FL
2	VERNONIA BORINQUENSIS	ASTERACEAE		PR
3C	VERNONIA PULCHELLA	ASTERACEAE		GA
3C	VERONICA COPELANDII	SCROPHULARIACEAE	SPEEDWELL, COPELAND'S	CA
3B	VERONICA SHERWOODII	SCROPHULARIACEAE		OR
2	VIBURNUM BRACTEATUM	CAPRIFOLIACEAE	ARROWWOOD,	AL GA TN
LE	VICIA MENZIESII	FABACEAE	VETCH, HAWAIIAN	HI
1	VICIA OCALENSIS	FABACEAE	VETCH, DCALA	FL
3B	VICIA REVERCHONII	FABACEAE	VETCH, HAIRY POD	OK TX
1	VIGNA OWAHUENSIS	FABACEAE	VIGNA, DAHU	HI
1	VIGNA SANDWICENSIS	FABACEAE		HI
9	VIGUIERA LUDENS	*** SEE ***	HELIANTHUS LUDENS	
3C	VIGUIERA PORTERI	ASTERACEAE		AL GA
3C	VIGUIERA SOLICEPS	ASTERACEAE	SUNFLOWER, PARIA	UT
9	VINCETOXICUM ALABAMENSE	*** SEE ***	MATELEA ALABAMENSIS	
3B	VIOLA ADUNCA VAR. CASCADENSIS	VIOLACEAE		OR WA
1	VIOLA CHAMISSONIANA	VIOLACEAE	'OLOPU	HI
9	VIOLA CHARLESTONENSIS	*** SEE ***	VIOLA PURPUREA VAR. CHARLESTONENSIS	
3C	VIOLA EGGLESTONII	VIOLACEAE		AL GA KY TN
3C	VIOLA FLETTII	VIOLACEAE	VIOLET, FLETT'S	WA
1	VIOLA HELENA	VIOLACEAE		HI
1	VIOLA KAUAIENSIS VAR. WAHIAWAENSIS	VIOLACEAE		HI
3C	VIOLA LANCEOLATA SSP. OCCIDENTALIS	VIOLACEAE		CA OR
2	VIOLA NOVAE-ANGLIAE	VIOLACEAE	VIOLET, NEW ENGLAND	ME MN NY WI, Canada (Man., N.B., Ont.)
1	VIOLA OAHUENSIS	VIOLACEAE		HI
3C	VIOLA PURPUREA VAR. CHARLESTONENSIS	VIOLACEAE	VIOLET, LIMESTONE	NV UT
2	VIOLA ROBUSTA	VIOLACEAE		HI
3C	VIOLA TOMENTOSA	VIOLACEAE	VIOLET, FELT-LEAF	CA
3C	WALDSTEINIA IDAHOENSIS	ROSACEAE		ID
2	WALDSTEINIA LOBATA	ROSACEAE		GA SC
2	WALTHERIA PYROLAEFOLIA	STERCULIACEAE		HI
2	WAREA AMPLEXIFOLIA	BRASSICACEAE		FL
1	WAREA CARTERI	BRASSICACEAE		FL
3C	WAREA SESSILIFOLIA	BRASSICACEAE		AL FL
9	WEDELIA CRISTATA	*** SEE ***	ALLONIA CRISTATA	
2	WIKSTROEMIA BASICORDA	THYMELAEACEAE		HI
2	WIKSTROEMIA HANAIEI	THYMELAEACEAE		HI
2	WIKSTROEMIA ISAE	THYMELAEACEAE		HI
1	WIKSTROEMIA LEPTANTHA	THYMELAEACEAE		HI
2	WIKSTROEMIA MONTICOLA VAR. OCCIDENTALIS	THYMELAEACEAE		HI
2	WIKSTROEMIA PERDITA	THYMELAEACEAE		HI
2	WIKSTROEMIA SKOTTSBERGIANA	THYMELAEACEAE		HI
1	WIKSTROEMIA VILLOSA	THYMELAEACEAE		HI
1	WILKESIA HOBDDYI	ASTERACEAE	ILIAU, DWARF	HI
3C	WILLKOMMIA TEXANA	POACEAE		TX
3B	WOODSIA ASBEAE	POLYPODIACEAE		MI MN WI
2	WOODSIA OREGANA VAR. CATHCARTIANA	POLYPODIACEAE	WOODSIA, OREGON	MN NY WI, Canada
9	WULFENIA BULLII	*** SEE ***	BESSEYA BULLII	
2	WYETHIA RETICULATA	ASTERACEAE	MULE-EARS, EL DORADO	CA
9	XANTHOCEPHALUM CALIFORNICUM	*** SEE ***	GUTIERREZIA CALIFORNICA	
9	XANTHOCEPHALUM SAROTHRAE VAR. POMARIENSE	*** SEE ***	GUTIERREZIA SAROTHRAE VAR. POMARIENSIS	
3C	XYLORHIZA COGNATA	ASTERACEAE		CA, Mexico (Baja California)
3C	XYLORHIZA CONFERTIFOLIA	ASTERACEAE		UT
2	XYLORHIZA CRONQUISTII	ASTERACEAE		UT
2	XYLORHIZA ORCUTTII	ASTERACEAE	ASTER, ORCUTT'S	CA, Mexico (Baja California)
2	XYLOSMA CREMATUM	FLACOURTIACEAE		HI
2	XYRIS DRUMMONDII	XYRIDACEAE		AL FL GA LA MS
2	XYRIS ISOETIFOLIA	XYRIDACEAE		FL
3C	XYRIS LONGISEPALA	XYRIDACEAE	YELLOW-EYED-GRASS, KRAL'S	AL FL
2	XYRIS SCABRIFOLIA	XYRIDACEAE		AL FL GA MS
2	XYRIS TENNESSEENSIS	XYRIDACEAE		AL GA TN
3C	YUCCA ANGUSTISSIMA VAR. TOFTIAE	LILIACEAE		UT
9	YUCCA TOFTIAE	*** SEE ***	YUCCA ANGUSTISSIMA VAR. TOFTIAE	
9	ZAMIA FLORIDANA	*** SEE ***	ZAMIA INTEGRIFOLIA	
3C	ZAMIA INTEGRIFOLIA	CYCADACEAE	COONTIE, FLORIDA	FL GA
2	ZANTHOXYLUM BLUETTIANUM	RUTACEAE	A'E (HEA'E)	HI
1	ZANTHOXYLUM DIPETALUM	RUTACEAE	KAWA'U	HI
2	ZANTHOXYLUM BLANDULOSUM	RUTACEAE		HI
1	ZANTHOXYLUM HAWAIIENSE	RUTACEAE		HI

STATUS	SCIENTIFIC NAME	FAMILY	COMMON NAME	RANGE
2	ZANTHOXYLUM KAUAIENSE VAR. KOUHANA	RUTACEAE		HI
2	ZANTHOXYLUM MAVIENSE	RUTACEAE		HI
2	ZANTHOXYLUM PARVUM	RUTACEAE	TICKLE-TONGUE, SHINNER'S	TX
1	ZANTHOXYLUM SEMIARTICULATUM	RUTACEAE	A'E (HEA'E)	HI
2	ZANTHOXYLUM SKOTTSBERGII	RUTACEAE	A'E (HEA'E)	HI
PE	ZANTHOXYLUM THOMASIANUM	RUTACEAE	PRICKLY-ASH,	PR VI
3C	ZEPHYRANTHES SIMPSONII	LILIACEAE		FL GA SC
3C	ZEPHYRANTHES TREATIAE	LILIACEAE		FL
3C	ZIGADENUS VASINATUS	LILIACEAE	DEATHCAMUS, SHEATHED	NV UT
LE	ZIZANIA TEXANA	POACEAE	WILD-RICE, TEXAS	TX
2	ZIZIA LATIFOLIA	APIACEAE		FL
2	* ZIZIPHUS CELATA	RHAMNACEAE		FL

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# **Federal Register**

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## **Part V**

### **Department of Housing and Urban Development**

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Office of the Assistant Secretary for  
Housing—Federal Housing Commissioner

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**24 CFR Part 200**  
**Minimum Property Standards for One and  
Two Family Dwellings; Final Rule**  
(Replaces HUD Handbook 4900.1)



**DEPARTMENT OF HOUSING AND  
URBAN DEVELOPMENT**

**Office of the Assistant Secretary for  
Housing—Federal Housing  
Commissioner**

**24 CFR Part 200**

[Docket No. R-85-1183; FR-1655]

**Revision of Minimum Property  
Standards (MPS) for One and Two  
Family Dwellings**

**AGENCY:** Office of the Assistant  
Secretary for Housing—Federal Housing  
Commissioner, HUD.

**ACTION:** Final rule.

**SUMMARY:** This final rule changes the basic structure of HUD's Minimum Property Standards (MPS) for one and two family dwellings. The handbook which contained the MPS for such structures is eliminated. The Department will now rely upon acceptable local building codes, acceptable State building codes where there are no acceptable local building codes, or the Counsel of American Building Officials' (CABO) One and Two Family Dwelling Code where there are no acceptable State building codes. State and local codes are acceptable when the HUD Field Office verify them as being comparable to one of the national model codes. Necessary requirements which are unlikely to be contained in State or local codes and not contained in the CABO One and Two Family Dwelling Code are set forth in the Department's regulations as written herein.

These revisions will preserve the quality of one and two family dwellings and protect the Department's insurance fund while simplifying the Department's construction criteria.

**EFFECTIVE DATE:** November 1, 1985.

**FOR FURTHER INFORMATION CONTACT:** Mark W. Holman, Manufactured Housing and Construction Standards Division, Room 9156, Department of Housing and Urban Development, 451 7th Street SW., Washington, DC 20410, telephone (202) 755-6584. (This is not a toll-free number).

**SUPPLEMENTARY INFORMATION:** The National Housing Act, 12 U.S.C. 1701-1749, authorizes the Secretary of Housing and Urban Development (Secretary) to prescribe standards for determining the acceptability of one and two family residential structures for purposes of mortgage insurance. *See, e.g.,* 12 U.S.C. 1715(f). Some general statutory guidelines govern the nature of these standards. For example, the standards are "to establish the

acceptability of . . . propert[ies] for mortgage insurance . . ." 12 U.S.C. 1715(f). In addition, the standards must be consistent with the declared national housing policy of realizing "the goal of a decent and suitable living environment for every American family. . . ." *See* 42 U.S.C. 1441.

The Department has prescribed these standards by issuing the Minimum Property Standards (MPS) for One and Two Family Dwellings, which were published as HUD Handbook 4900.1, and incorporated by reference into the Department's regulations by authority of 24 CFR 200.927. Changes in the structure of the MPS are being made to further the indicated statutory purposes.

The Department also has evaluated the revisions to the MPS in light of the recent amendment of Section 526 of the National Housing Act, 12 U.S.C. 1735f-4. *See* Housing and Urban-Rural Recovery Act of 1983, Pub. L. 98-181, sec. 405, 97 Stat. 1153 (1983). As amended, section 526 now permits the Secretary to require, with respect to health and safety, that properties other than manufactured homes comply "with one of the nationally recognized model building codes, or with a State or local building code based on one of the nationally recognized model building codes or their equivalent." The Secretary is "responsible for determining the comparability of the State and local codes to such model codes. . . ."

On October 11, 1984, the Department published a proposed rule to revise the MPS. *See* 49 FR 39855. That rule proposed that the Department rely upon acceptable State and local codes and eliminate the handbook containing the MPS for One and Two Family Dwellings. This final rule adopts as final that proposed rule. It is also similar in many respects to the final rule amending the MPS for Multifamily Housing which was published on May 1, 1984 [49 FR 18690].

Four hundred sixty-one comments were received in response to the proposed rule, and the Department has evaluated the revisions to the MPS in light of those comments.

The Department is aware of the fact that unnecessary or needlessly complex regulations can increase the final cost of a home. This rule is part of the Department's continuing effort to eliminate regulations where possible and to simplify regulations that cannot be eliminated.

**I. Description of Final Rule**

**A. General**

The Department is revising the MPS for One and Two Family Dwellings in order to simplify them. Generally, HUD will rely upon State or local building codes or the Council of American Building Officials' (CABO) One and Two Family Dwelling Code to provide the health and safety criteria for its single family construction standards. The Department will rely upon a State or local code only after it has been accepted by the Department as being comparable to one of the nationally recognized model building codes or its equivalent. In some jurisdictions, the Department may partially accept a State or local code. In such areas, the Department will rely upon the State or local code, plus those provisions of the CABO One and Two Family Dwelling Code identified by the local HUD Field Office in accordance with 24 CFR 200.926c. In jurisdictions where a State or local code has not been accepted or partially accepted by the Department, or where no State or local code exists, the Department will require compliance with the CABO One and Two Family Dwelling Code, the Electrical Code for One and Two Family Dwellings and the requirements under Sections 200.926 d and e.

In those instances where the Department will require compliance with the CABO One and Two Family Dwelling Code, the developer or other interested party must also comply with the mandatory codes or standards incorporated by reference therein and the requirements of § 200.926e. In addition, compliance with the Electrical Code for One and Two Family Dwellings, NFPA 70A, 1984 edition, including the appendices, is required. This is identified in 24 CFR 200.926b(a)(2).

In all instances, the Department will require compliance with the standards set forth in § 200.926d, entitled "Construction Requirements". This section contains standards relating to energy and certain other matters.

Section 521 of the National Housing Act, 12 U.S.C. 1735e, requires the Secretary to "adopt a uniform procedure for the acceptance of materials and products to be used in structures approved for mortgages or loans insured under [the National Housing] Act." The Secretary has established such procedures in Handbook 4950.1 and in 24 CFR 200.935. This final rule will not affect these procedures.

Section 100-2 of the now-eliminated MPS for One and Two Family



Dwellings, HUD Handbook 4900.1, provided that "[e]xisting construction shall comply with the Requirements for Existing Housing—One- to Four-Family Living Units, HUD Handbook 4905.1." Under this final rule, this handbook will not be referenced in the Code of Federal Regulations. This handbook will, however, be maintained by the Department as a single family program handbook.

#### *B. Standard for Determining Comparability of State or Local Codes*

The Department will determine whether a State or local code is comparable to one of the nationally recognized model codes by conducting an analysis of the comprehensiveness of the State or local code. For use in performing this analysis, the Department has prepared a list of construction-related areas. See § 200.926a. This list is based upon the provisions of the nationally recognized model building codes and is made up of major areas and subareas. Each major area has been made a separate paragraph of § 200.926a. For example, Fire Safety is paragraph (a) and Light and Ventilation is paragraph (b). Each major area has been further divided into subareas. For example, the Light and Ventilation paragraph has been divided into two subareas: (1) Habitable rooms and (2) Bath and Toilet rooms.

A State or local code will be found comparable, and therefore acceptable, if it regulates every subarea set forth in § 200.926a. A State or local code will be found partially acceptable if it fails to regulate from one to eight subareas in the same major area; however, no code will be found partially acceptable if it fails to regulate subareas in more than one of the major areas.

Consequently, every State or local code which is partially accepted will be deficient in only one major area. The local HUD Field Office will remedy the deficiency by designating those provisions of the CABO One and Two Family Dwelling Code which regulate the entire major area found deficient. This designation will be made in accordance with the table set forth in § 200.926c.

If a local code is not found to be acceptable or partially acceptable, one and two family residential structures will have to comply, for HUD purposes, with the State code if the State code is considered acceptable or partially acceptable. If the State code is not found acceptable or partially acceptable, one and two family residential structures will have to comply, for HUD purposes, with the CABO One and Two Family Dwelling Code, § 200.926e, and NFPA

70A. In all cases, the requirements set forth in § 200.926d shall apply.

The HUD Field Office, using provisions from the CABO code, will remedy deficiencies in partially acceptable State or local codes so they may be used for HUD purposes. For example, a jurisdiction's code may be deficient in the "Plumbing" major area because it fails to regulate the "Vents and Venting" and the "Cleanouts" subareas. In such a case, the code will be found to be partially acceptable because only subareas from one major area are lacking. The Field Office will remedy the deficiencies in the "Plumbing" major area by designating Part V of the CABO One and Two Family Dwelling Code. Thus, in that jurisdiction, for HUD purposes, properties will have to comply with Part V of the CABO One and Two Family Dwelling Code, the entire local code except for the plumbing requirements, and the requirements set forth in § 200.926d.

To determine whether this method of evaluating comparability would protect the Department's interests and satisfy all statutory requirements, the Department conducted a study of representative local codes. Codes from nine jurisdictions were evaluated. Three of the jurisdictions were large cities, three were medium sized cities, and three were small cities. One city of each size was selected from geographically diverse areas of the nation. As a result of this evaluation, it was found that seven of the codes regulated the areas identified in § 200.926a.

These seven codes were then subjected to a more detailed evaluation. This detailed analysis was performed to determine whether the local codes were in fact comparable to one of the nationally recognized model codes. In each case where the Department subjected a code to detailed analysis, we determined that it was comparable to one of the model codes.

#### *C. Review Process*

Before a State or local code can be relied upon to provide health and safety requirements for HUD purposes, it will have to be accepted or partially accepted by the Department. The review process for State codes, however, differs from that for local codes. With respect to State codes, the HUD Field Offices will immediately review them, without requests or submissions from lenders or other interested parties.

The Department will review a local code when it receives a request from a lender or other interested party. The person requesting review must submit to the HUD Field Office a copy of the local

building code and a copy of the statute, ordinance, order or regulation establishing the code, if any. The submitting party will not be required to submit copies of any part of a code already in the possession of the particular HUD Field Office. If the Department accepts the local code, it will issue a letter stating that the code is acceptable. If the Department declines to accept a local code, the submitting party will be notified, and given an opportunity to present its views as to why the local code should be accepted.

If the local code has been neither previously accepted nor partially accepted and if a lender or other interested party wishes to have it accepted, then it must submit the material described in the preceding paragraph. If a local code has been previously accepted or partially accepted, then lenders or other interested parties must submit either a certificate stating that the local code has not been changed since the date of its acceptance or partial acceptance by the Secretary, or a copy of all changes that have been made since the date of the Secretary's acceptance or partial acceptance. All submissions must be made by the time of application for mortgage insurance or other benefits.

Each Regional and Field Office will maintain a current list of States and jurisdictions with accepted or partially accepted codes, including the dates of acceptances.

#### *D. Use of the Council of American Building Officials (CABO) One and Two Family Dwelling Code*

In those jurisdictions without acceptable or partially acceptable local codes, one and two family dwellings must comply, for HUD purposes, with an acceptable or partially acceptable State code. In those jurisdictions without acceptable or partially acceptable State or local codes, one and two family dwellings will have to comply, for HUD purposes, with the CABO One and Two Family Dwelling Code identified in 24 CFR 200.926b(a) and with the requirements of § 200.926e. In all cases, the requirements set forth in § 200.926d shall apply.

In those jurisdictions with a partially acceptable local code or a partially acceptable State code, certain portions of the CABO code identified in 24 CFR 200.926b(a) will be used. The HUD Field Office will identify, in the written notice of partial acceptance, those portions of the CABO code with which the dwelling must comply. In so doing, the HUD Field Office will rely upon the table at § 200.926c to determine which portions



of the CABO code will supplement the partially acceptable State or local code.

The requirement to comply, for HUD purposes, with all or part of the CABO code or any State or local code applies only to the particular one or two family dwelling in question and has no applicability to other buildings in the community.

#### *E. Differences Between the Proposed and Final Rules*

Under the proposed rule, if the code which was applicable in a particular jurisdiction was found to be neither acceptable nor partially acceptable, then one and two family dwellings would have had to comply, for HUD purposes, with one of three nationally recognized model codes. The code to be evaluated was the code applicable in the jurisdiction, whether it was a local code, a State code, or a combination of the two. The final rule changes this system in two respects. First, the Department will evaluate a local code, if there is one, to determine its acceptability. If it is found to be neither acceptable nor partially acceptable, then one and two family dwellings will have to comply, for HUD purposes, with an acceptable or partially acceptable State code, if one exists. If no acceptable or partially acceptable State code exists, then one and two family dwelling will have to comply, for HUD purposes, with the CABO One and Two Family Dwelling Code. Reliance upon the CABO code is the second change in the system which would have been established under the proposed rule. Under the proposed rule, the Department would have permitted reliance upon the BOCA Basic/National Building Code; the Standard Building Code; or the Uniform Building Code. In addition to these changes, the final rule adds references to Appendices C and F of HUD Handbook 4910.1, "Minimum Property Standards for Multifamily Housing." Finally, a number of minor editorial changes have been made in the rule in order to clarify its meaning and application.

## II. Public Comments

### *A. General*

The Department received 461 comments. Most of these were concerned with the thermal energy requirements set forth in § 200.926d. Many of the comments indicated support for the policies underlying the rule change. Other comments suggested changes to specific provisions of the proposed rule.

The Department received several comments with respect to the rule's

general policy of relying on State or local codes to the greatest extent possible. One commenter complained that the rule would allow an "unnecessary and excessive proliferation" of different requirements throughout the country. All housing, whether conventionally or HUD financed, has always had to comply with local building codes. Only HUD financed housing had to comply with an additional set of standards, the MPS. The Department believes that the use of State or local codes will significantly reduce the burden of conflicting requirements that several layers of building standards tend to create. Moreover, this rule is consistent with both the Administration's policy of federalism and the Department's statutory mandate.

Another commenter argued that the existing MPS should be retained because model and State or local codes are primarily concerned with health and safety issues. They do not regulate performance and durability, as the existing MPS do. According to this commenter, the elimination of HUD's MPS will enable builders and developers to increase their profits and in the process build shoddier houses, which, in the long run, will reduce the quality of housing. For several reasons, the Department believes that the new system will not be deleterious to HUD-financed or other housing. First of all, the elimination of some criteria does not mean that builders will eliminate quality materials or good design. Conventionally financed housing has for years been built to meet specifications that exceed HUD's standards, because HUD has historically set only minimum standards. Consumer taste has often dictated more than the MPS requires. While elimination of the MPS will not reduce the quality of construction, it will eliminate the adherence to duplicative building codes, which can increase the cost of construction. Additionally, elimination of a single federal standard will allow for greater flexibility in addressing local needs through the use of local or regional codes. Further, buyers in today's market place are better educated and able to determine for themselves whether they wish to purchase homes containing marketability or liveability fixtures.

Moreover, the rule addresses only the construction criteria of home building, not the valuation procedures. If a buyer chooses to accept smaller spaces or fewer features in a home so that he or she can save money, the valuation procedures will reflect this choice. These valuation procedures establish

the maximum mortgage amount the Department will insure.

Finally, the primary purpose for the MPS throughout its history was to reduce the risk to the Department's insurance fund by ensuring that HUD could dispose of homes acquired through foreclosure at a minimum of loss to the Department. The Department has concluded that because of the increasing acceptability of local codes, buyer education, and builder interest, the use of model codes and the additional criteria of the Rule are sufficient to produce construction which will be adequate collateral to support an acceptable mortgage insurance risk. In sum, the Department is confident that construction meeting acceptable State or local codes or the CABO code, plus the additional requirements set forth herein, is adequate for HUD purposes and ensures that the quality of construction will remain high for the homebuyer.

The Department solicited comment on six subjects. See the proposed rule to revise the Minimum Property Standards for one and two family dwellings published on October 11, 1984 at 49 FR 39858. The discussion of the comments below corresponds to these six inquiries. Comments not pertaining to any of these areas are discussed in section II.g.

### *B. Energy*

In the proposed rule, the Department solicited comment concerning the energy requirements of the MPS:

The Department is considering making changes to the energy requirements discussed above. In particular, the Department is considering whether to adopt the energy standards contained in the January 29, 1984 Addenda to ANSI/ASHRAE/IES 90A-1980 or the standards contained in the 1983 edition of the Model Energy Code. The Department seeks comment on these alternatives and on the availability and the propriety of other options. 49 FR 39858.

In response, the Department received numerous comments relating to energy requirements. Many commenters expressed concern that adoption of a model code or standard would eliminate the special consideration for masonry construction granted by HUD's Local Acceptable Standard for Arizona and Florida. Many other commenters suggested that we adopt one of the versions of the Model Energy Code or the ANSI/ASHRAE/IES Standard. Finally, the Department received many comments suggesting specific changes to the MPS energy standards.

After reviewing these comments, the Department has decided not to proceed to a final rule with respect to the energy



requirements of the MPS for one and two family dwellings. Rather, the Department will continue to evaluate the comments and to study possible alternatives, and will issue a final rule for energy criteria in the future.

The energy criteria will, therefore, remain unchanged from those currently in effect. To be consistent with the new structure of the MPS, however, the current energy criteria will be published in the Code of Federal Regulations, at 24 CFR 200.926d(d). One commenter suggested that the energy criteria should remain in handbook form because the Code of Federal Regulations (CFR) is not available to builders. The Department believes that publication in the CFR ensures that any standards contained therein are widely available. Moreover, the HUD Field Offices will reprint and make available to builders the construction requirements in § 200.926 d and e.

#### C. Burden on Small Homebuilders

The second subject on which the Department solicited comment was whether this rule would "reduce burdens on small homebuilders, who often find it especially difficult to comply with two different sets of construction standards." 49 FR 39858. The Department also sought comment as to "whether the proposed arrangements will lead to any particular difficulties for small builders in learning of the standards to which they must comply, and as to what additional measures the Department might adopt to alleviate the disadvantages inherent in small operations." 49 FR 39858. Only a few commenters responded directly concerning this matter. In general, the commenters who responded believed that the Department's proposal would reduce regulatory conflicts, minimize waste and bring home costs down. They also commented that neither lenders nor builders would have problems in complying with the simplified requirements.

One commenter recognized that lenders and builders will need some type of education program to acquaint them with the changes. The Department realizes there will be some uncertainty as to the correct procedures during the transition period from the current system to the new system. During this transition, the Department's staff will be trained in code acceptance and use and will be instructed to give as much assistance to lenders and builders as possible. Formal or organized training by the Department for lenders and builders is not possible because of staff and funding limitations. However, if problems arise, appropriate information

will be disseminated to ensure a full understanding of the necessary program functions by private sector participants.

#### D. Applicable Construction Standards

The Department requested comment on whether the proposed approach to correcting deficiencies in State or local codes, when they are judged partially acceptable, would impose any serious burdens upon builders. The Department also requested comment on whether there was an alternative, less burdensome approach that is consistent with the Department's mandate.

One commenter expressed concern that when local codes are supplemented by referencing portions of model codes (in the final rule, only the CABO code), there is a possibility that conflicts between the local and CABO codes could occur. The commenter suggested that when conflicts arise, the local code should prevail.

The Department's intent is to allow the use, where possible, of State or local codes as HUD's health and safety criteria. When the State or local code is deficient in that it does not cover subareas in only one area, CABO code criteria will be used only to supplement the deficient State or local code. The Department recognizes that there may be times when the State or local code criteria are not compatible with the portion of the CABO code designated to supplement the deficient code. When conflict occurs, the local HUD Field Office will determine, on a case-by-case basis, which criteria will apply. See § 200.926(b). The Department believes that this approach provides sufficient flexibility for lenders and builders, yet will ensure that the Department's interest in providing decent, safe and sanitary housing is met.

Another commenter pointed out that, under the Proposed Rule, the local HUD Field Office would have been required to designate an appropriate model code to be used when a jurisdiction has a partially accepted code. This could result in more than one model code being designated by a HUD Field Office, depending upon which part of the local code was deficient. Further, in neighboring local jurisdictions under the same or a different HUD Field Office jurisdiction, a different model code could be referenced for the same deficient part of a local code. Finally, it was pointed out that when there is no acceptable local code, the Proposed Rule directed the lender or other interested party to select the model code to be used. The commenter concluded that this system could yield a maze of construction requirements. It would have been very difficult for the small

home builder, fee inspectors, direct endorsement mortgagees, and HUD Field Office staff to know which criteria would be applicable in every local jurisdiction, to keep current editions of the local and model codes, and to build, review plans and specifications and inspect construction to so many different combinations of local and model codes.

To eliminate potential conflicts or confusion, we are eliminating the options that permit the HUD Field Office and the lender or other interested party to choose which model code applies. The Final Rule now incorporates by reference only the CABO One and Two Family Dwelling Code as a model building code. Where there is no acceptable local code, the lender or other interested party is required to comply with the State building code, if it is acceptable or partially acceptable. If there is not an acceptable or partially acceptable State building code, then the CABO One and Two Family Dwelling Codes applies. Where the State or local code is partially acceptable, the HUD Field Office will supplement it with portions of the CABO code.

The Department has decided to use only the CABO code for several reasons other than the simplicity that the use of only one code will provide. First, the CABO code has been widely adopted throughout the country. Second, it is a model code created strictly for the regulation of single family dwellings. Third, it was created and is referenced by the three major model code organizations as single family dwelling criteria. Fourth, referencing only the CABO code will obviate the need for including a mechanism in the rule to ensure that all of the model code references are current. Finally, the CABO code regulates the construction areas identified in § 200.926a in a way that the Department has concluded adequately protects its interests.

One commenter argued that the Department should not supplement a deficient subarea of a State or local code by substituting an entire major area of a model (now CABO) code. Another commenter suggested that HUD should specify, on a case-by-case basis, what modifications would be necessary. The Department believes, however, that the system as proposed will effectively supplement partially acceptable codes. It has been the Department's experience that if a State or local code is deficient in one subarea, there are likely to be other deficiencies in other subareas within the major area involved. Thus, substitution of the entire major area ensures that all relevant criteria are



adequately addressed. Further, by establishing a uniform system under which partially acceptable codes will be supplemented, the Department can both minimize confusion and attain some uniformity within a State or local jurisdiction.

#### *E. The Developer Submission of "No Change" Certificate*

Comment was solicited as to whether the Department's requirement for a certificate of "no change" and the requirement to submit all changes made to a local code since it was previously accepted or partially accepted were overly burdensome to small builders. We asked if there were alternatives to this approach that would be less burdensome but still meet HUD's objectives.

In response, the Department received several comments. One commenter stated that the certification of "no change" would in fact increase the burden on builders and on lenders and other interested parties. The commenter also argued that the Department should maintain, and that lenders or others should not be required to submit, this information. Another commenter believed that it is not unreasonable to require that all current local amendments to the codes be submitted to the HUD Field Office by the builder, lender or other interested party.

The Department believes that the certificate of "no change" is the least burdensome way of ensuring that a code has remained acceptable or partially acceptable. The Department does not have the resources to monitor the status of the thousands of building codes that exist in the country. In contrast, a builder must always comply with local codes whether or not he participates in HUD programs. Thus, he must know what the latest edition of an applicable code requires and is in a better position to know whether any changes have been made on the code since he last used it.

#### *F. Procedures for Acceptance of Products and Materials*

The Department also solicited comments concerning how its procedures for acceptance of materials and products under section 521 of the National Housing Act could be streamlined so that the Department would not duplicate functions and analyses performed by adjuncts to the national recognized model code organizations.

Several commenters approved of HUD's moving toward private sector product acceptance systems, such as those of the model code organizations and the National Evaluation Service

(NES). These comments however, failed to discuss any other means of acceptance of materials and products available to HUD that would not be duplicative of the functions of the code organizations or the NES. In reply to our question on how HUD duplicates NES or model code procedures, one commenter suggested that internal HUD procedures be developed to permit HUD recognition of CABO National Evaluation Reports (NER) or new products, thus avoiding duplication. The commenter pointed out that the present HUD system requires the product manufacturer to pay Material Release and Structural Engineering Bulletin fees for the same product for which he has previously paid a fee for CABO analysis and issuance of an NER. The commenter concluded that this additional Federal agency expense and overlap should be avoided.

Similarly, in response to the Department's inquiry regarding how product durability might be ensured, several commenters suggested that the long-term durability of products and materials which are evaluated by NES and the model code organizations is assured because the reports are prepared on the basis of compliance with the code criteria and with nationally recognized industry standards. The commenters were not aware of any long-term durability problem with products, materials and housing systems that are evaluated by the model code organizations.

On the other hand, some commenters wanted to continue with HUD's Technical Suitability of Products Program, particularly the certification of products program. To do otherwise, the commenters argued, would compromise HUD's acceptance/assurance activity as well as cause considerable disruption to the current industry-wide certification process.

The Department has carefully evaluated these comments, and has decided to make no changes to the Technical Suitability of Products Program at this time. Although the Proposed Rule set forth no changes in the program, it requested comment on the issue to determine whether there was more information available since our last request for comment on this issue, on March 1, 1984. At that time, the Department published a proposed rule, at 49 FR 7587, that would have instituted a system of fees to cover the costs of services provided by the Technical Suitability of Products Program. On August 9, 1984, at 49 FR 31854, the Final Rule was published. The preamble of that Final Rule explained that, for several reasons, the Department decided

not to make any changes in the present system for evaluating new products and materials.

As explained therein, the Department is required by statute to maintain such a system. Section 521 of the National Housing Act, 12 U.S.C. 1735e, states, in part, that "[t]he Secretary shall adopt a uniform procedure for the acceptance of materials and products to be used in structures approved for mortgages or loans insured under this Act. Under such procedure any material or product which the Secretary finds is technically suitable for the use proposed shall be accepted." The Department has complied with the statute by instituting the Technical Suitability of Products Program, and the system cannot, in accordance with the statute, be eliminated.

Because the Department received no new information since its previous determination to maintain current procedures, we are not changing the Technical Suitability of Products Program at this time.

The Department also received comments on the manner, if any, in which the new structure of the MPS would affect the current system of products and materials acceptance. Some commenters suggested that HUD, in view of the necessity to maintain durability criteria, should maintain in the MPS for One and Two Family Dwellings a list of product standards similar to that found in the MPS for Multifamily Housing. By so doing, it was suggested, HUD could assure that products and materials would at least meet an industry standard of quality and safety. It was also pointed out that some standards will never be listed in CABO because they relate to components or products such as cabinets, furnishings and carpet, which are not subject to building code enforcement. The commenters concluded that the omission of these standards from CABO necessitated HUD's referencing the standards, because homes with mortgages insured by HUD contain those components and products, and HUD should therefore ensure that they would meet acceptable levels of quality, safety and durability.

We agree that many products standards, and particularly HUD Use of Materials Bulletins, are not and probably will never be listed in model codes such as CABO. Because of our need to ensure the continued durability of products which are likely to be used in HUD-insured dwellings, we will reference, in § 200.926d, Appendices C and F of HUD Handbook 4910.1, MPS for Multifamily Housing. These appendices



are lists of standards referenced by the Department.

Finally, a commenter recommended that HUD management coordinate any changes regarding the HUD Technical Suitability of Products Program with the Farmers Home Administration, Veterans Administration, and the Office of Management and Budget. The commenter noted that various agencies have conflicting requirements with respect to materials acceptance, and suggested that three Federal agencies and OMB jointly decide on workable acceptance procedures for new products, to be followed by the three agencies in the future. The Department agrees that this idea is worthwhile, and will investigate the possibility of coordinating acceptance procedures among these agencies.

#### *G. Design Criteria for Housing for the Elderly*

The last subject on which the Department solicited comment was its proposal to eliminate criteria for housing for the elderly. The Department asked whether any of these requirements should remain and whether other requirements should be incorporated.

Only a few commenters responded to the question. One commenter agreed that the Department should delete the design criteria for housing for the elderly. The commenter suggested that the free market should dictate design criteria, and that private sector committees under AARP, ANSI and others provide adequate guidelines.

Another commenter questioned whether the Department intended to adopt Appendix M of the Standard Building Code (SBC), which contains criteria for the handicapped. Because the final rule adopts only the CABO code and does not reference the SBC, it is inappropriate to adopt Appendix M of the SBC.

The Final Rule remains unchanged on this issue. We will therefore eliminate specific criteria for housing for the elderly.

#### *H. Other Comments*

The Department received many comments which suggested that the various appendices or supplements to the model codes be incorporated or excluded. One commenter also suggested that the Department designate the model code predominantly in use in any given area when supplementing partially acceptable codes. Because the final rule references only the CABO One and Two Family Dwelling Code, and not the four model codes, these issues are no longer of concern.

Several commenters expressed concern over the rule's impact on the Technical Suitability of Products Program. Some urged the Department to retain Use of Materials Bulletin No. 44, which establishes a standard for carpets. Another commenter suggested that HUD retain certain Federal Specifications for the tile and sheet vinyl flooring, as was done for the MPS for multifamily structures. As discussed above, we have incorporated Appendices C and F of the MPS for Multifamily Housing, HUD Handbook 4910.1, which list material standards and Use of Materials Bulletins that may be used in HUD-insured housing. Another commenter stated that § 200.926d(d), which covers Special Construction and Product Acceptance, was unclear with reference to whether HUD will continue to accept existing certification programs for HUD-approved products. This section has been rewritten to clarify that the procedures of HUD Handbook 4950.1 and Use of Materials Bulletins shall be applicable to the MPS for One and Two Family Dwellings.

One commenter suggested that the list of construction comparison items at § 200.926a be rewritten so as to require a State or local code to regulate certain subareas only if local conditions warrant criteria on those subareas. The Department finds this comment persuasive, and has revised § 200.926a by requiring a code to regulate certain subareas only if certain conditions of ANSI A58.1-82 are present in the specific jurisdiction.

One commenter suggested that the number of major areas listed in § 200.926a be reduced, arguing that the Model Codes are not broken down in the same manner as the list of major areas. The Department based this list on the Model Codes themselves, and we believe that our list is reasonably consistent with the codes. The Department, however, has modified the list, which is also used to review codes for multifamily use, by deleting some subareas that apply primarily to multifamily-type construction. For example, the "Mechanical" major area no longer contains the "Boiler and Pressure Vessels" subarea.

One commenter suggested that the Department exempt modular construction from the rule. Although the Department is sympathetic to modular home manufacturers' concern regarding inconsistent local requirements, we see no reason to exempt modular construction from the system set forth in this rule, because modular housing always must comply with local requirements, whether it is being financed through HUD or through other

means. The Department has no authority to promulgate a preemptive national code for modular housing.

One commenter suggested that local building officials should serve as the model code enforcement officials, instead of the Secretary's designee, as set forth in § 200.926b(b)(2). The Department, however, has no means of ascertaining the qualifications of local officials; therefore, to ensure that this function is adequately performed, the final rule is unchanged in this regard.

Another commenter suggested that the local code acceptance system could be simplified by using the certification of a State or local official or other qualified individual that the local or State code regulates the areas and subareas identified in § 200.926a.

Section 526 of the National Housing Act, however, states that the "Secretary shall be responsible for determining the acceptability of the State and local codes to . . . model codes." The Department therefore cannot delegate this responsibility. Moreover, the HUD Field Offices are responsible for determining whether a house complies with the applicable requirements. They must therefore be familiar with the codes, and should have responsibility for their acceptance.

One commenter argued that the system for code acceptance is too complex and should be simplified. The Department believes that, as set forth in the final rule, the system for acceptance is as simple as possible, considering the need for flexibility and thoroughness. The result of the system—reliance on State or local codes as much as possible—will ease the burden of unnecessary standards on builders and lenders. The Department believes that this goal justifies the complexity of the acceptance process.

Finally, the Department received many comments of an editorial nature. We have evaluated these comments, and have made changes in the Final Rule as appropriate.

#### **III. Procedural Requirements**

The collection of information requirements contained in this rule have been approved by the Office of Management and Budget (OMB) and assigned approval number 2502-0338.

This final rule does not constitute a "major rule" as that term is defined in section 1(b) of Executive Order 12291 on Federal Regulation issued by the President on February 17, 1981. The rule does not: (1) Have an annual effect on the economy of one hundred million dollars or more; (2) cause a major increase in costs or prices for



consumers, individual industries, Federal State, or local government agencies or geographic regions; or (3) have significant adverse effect on competition, employment, investment, productivity, innovation or on the ability of United States-based enterprises to compete with foreign-based enterprises in domestic or export markets.

Consistent with the provisions of 5 U.S.C. 605(b) (The Regulatory Flexibility Act), the Secretary hereby certifies that this rule does not have a significant economic impact on a substantial number of small entities. In all cases, one and two family residential structures must be built in compliance with State or local codes. Upon the effective date of this rule, the Department generally will accept such compliance as satisfying the Department's concerns relating to the health and safety aspects of those structures. Further, this rule will generally reduce the burden of compliance which already exists for both small and large entities.

A Finding of No Significant Impact with respect to the environment has been made in accordance with HUD regulations in 24 CFR Part 50, which implement section 102(2)(C) of the National Environmental Policy Act of 1969. The Finding of No Significant Impact is available for public inspection during regular business hours at the Office of Rules Docket Clerk at Room 10276, Department of Housing and Urban Development, 451 Seventh Street SW., Washington, D.C. 20410.

This rule is listed as item H-74-82 in the Department's Semiannual Agenda of Regulations published at 50 FR 17286, 17298 on April 29, 1985 pursuant to Executive Order 12291 and the Regulatory Flexibility Act.

The catalog of Federal Domestic Assistance does not apply to this Rule.

#### *Paperwork Reduction Act*

Information collection requirements contained in this regulation (§ 200.926) have been approved by the Office of Management and Budget under the provisions of the Paperwork Reduction Act of 1980 (Pub. L. 96-511) and have been assigned OMB control number 2502-0338.

#### **List of Subjects in 24 CFR Part 200**

Administrative practice and procedure, Claims, Equal employment opportunity, Fair housing, Housing standards, Loan programs: Housing and community development, Mortgage insurance, Organization and functions (Government agencies), Reporting and recordkeeping requirements, Minimum

Property Standards, Incorporation by reference.

Accordingly, HUD proposes to amend 24 CFR Part 200 as follows:

### **PART 200—INTRODUCTION**

#### **Subpart S—Minimum Property Standards**

1. The authority citation for Part 200 continues to read as follows:

*Authority:* Titles I and II of the National Housing Act (12 U.S.C. 1701 through 1715a-18); sec. 7(d), Department of Housing and Urban Development Act (42 U.S.C. 3535(d)).

2. § 200.927 is revised as follows:

#### **§ 200.927 Incorporation by reference of minimum property standards.**

The Minimum Property Standards as contained in the handbooks identified in § 200.929(b) are incorporated by reference into this section as though set forth in full in accordance with 5 U.S.C. 552(a) and 1 CFR Part 51.

3. Section 200.929 is amended by revising the introductory paragraph of paragraph (b) and paragraph (b)(1) as follows:

#### **§ 200.929 [Amended]**

(b) *Identification.* The Minimum Property Standards have been published as described below:

(1) MPS for One and Two Family Dwellings. See §§ 200.926, 200.926a-e.

4. 24 CFR Part 200 is amended by adding §§ 200.926, 200.926a, 200.926b, 200.926c, 200.926d and 200.926e as follows:

#### **§ 200.926 Minimum property standards for one and two family dwellings.**

(a) *Construction standards.*—(1) *Applicable structures.* The standards identified or contained in §§ 200.926 and 200.926a-200.926e shall apply to single family detached homes, duplexes, triplexes and to living units in a structure where the units are located side by side in townhouse fashion.

(2) *Applicability of standards to new construction.* The standards referenced in paragraph (a)(1) of this section are applicable to:

(i) Structures approved for insurance or other benefits prior to the start of construction;

(ii) Structures which are approved for insurance or other benefits based upon participation in an insured warranty program;

(iii) Structures which are insured as new construction based upon a Certificate of Reasonable Value issued by the Veterans Administration; and

(iv) Proposed construction insured under the Direct Endorsement program.

(b) *Conflicting standards.* The requirements contained in § 200.926d do not preempt local or State standards, nor do they alter or affect a builder's obligation to comply with any local or State requirements. However, a property shall be eligible for benefits only if it complies with the requirements of this subpart, including any referenced standards. When any of the requirements identified in § 200.926c are in conflict with a partially accepted local or state code, the conflict will be resolved by the HUD Field Office servicing the jurisdiction in which the property is to be located.

(c) *Standard for evaluating local or state building codes.* The Secretary shall compare a local building code submitted under § 200.926(d) or a State code to the list of construction related areas contained in § 200.926a.

(1) A local or State code will be accepted if it regulates each area and subarea on the list.

(2) A local or State building code will be partially accepted if it regulates most of the areas on the list. Provided, however, that no code may be partially accepted if it fails to regulate one or more subareas in more than one of the major areas. The major areas are: fire safety, light and ventilation, structural loads, foundation systems, materials standards, construction components, glass, mechanical, plumbing and electrical. See § 200.926a.

(3) For purposes of this paragraph, a local or State code regulates an area or subarea if it establishes a standard concerning that area or subarea.

(d) *Code selection.* Any materials required to be submitted under this section must be submitted by the time the lender or other interested party applies for mortgage insurance or other benefits.

(1) *Jurisdictions without previously accepted building codes.* The following submission requirements apply to lenders and other interested parties in jurisdictions without building codes, jurisdictions with building codes which have never been submitted for acceptance, and jurisdictions with building codes which previously have been submitted for acceptance and have not been accepted or partially accepted by the Secretary.

(i) In jurisdictions without local building codes:

(A) If the State building code is acceptable, the lender or other interested party must comply with the State building code and the requirements of § 200.926d;



(B) If the State building code is partially acceptable, the lender or other interested party must comply with:

(1) The acceptable portions of the partially acceptable code; and

(2) Those portions of the CABO One and Two Family Dwelling Code or the Electrical Code for One-and-Two-Family Dwellings designated by the HUD Field Office in accordance with § 200.926c; and

(3) The requirements of § 200.926d.

(C) If there is no State building code or if the State building code is unacceptable, the lender or other interested party must comply with:

(1) The CABO One and Two Family Code and the Electrical Code for One and Two Family Dwellings, as identified in § 200.926b(a); and

(2) The requirements of § 200.926d.

(ii) In jurisdictions with local building codes which have never been submitted for review, lenders or other interested parties must:

(A) Comply with the requirements of § 200.926(d)(1)(i) (A), (B) or (C), as appropriate; or

(B) Request the Secretary's acceptance of the local building code in accordance with § 200.926(d)(1)(iv).

(2) If the Secretary determines that the local building code is unacceptable, then the lender or other interested party must comply with the requirements of § 200.926(d)(1)(i) (A), (B) or (C) as appropriate.

(3) If the Secretary determines that the local code is partially acceptable, then the lender or other interested party must comply with:

(i) The acceptable portions of the partially acceptable local code; and

(ii) Those portions of the CABO One and Two Family Dwelling Code or the Electrical Code for One and Two Family Dwellings designated by the HUD Field Office in accordance with § 200.926c; and

(iii) The requirements of § 200.926d.

(3) If the Secretary determines that the local code is acceptable, then the lender or other interested party must comply with the local building code and the requirements of § 200.926d.

(iii) In jurisdictions with local building codes which previously have been submitted for review and which have been found unacceptable by the Secretary:

(A) If the local code has not been changed since the date the code or changes thereto were submitted to the Secretary, the lender or other interested party must comply with the requirements of § 200.926(d)(1)(i) (A), (B) or (C), as appropriate; or

(B) If the local code has been changed since the date when the code or changes

thereto were submitted to the Secretary, the lender or other interested party must submit a copy of all changes to the local building code, including all applicable service codes and appendices and a copy of the statute, ordinance,

regulation or order making such changes in the code, which have been made since the date when the code or other changes thereto were last submitted to the Secretary. However, the lender or other interested party need not submit any part already in the possession of the HUD Field Office. Based upon the Secretary's determination concerning the acceptability of the local code as changed, the lender or other interested party must comply with the requirements of § 200.926(d)(1)(ii)(B) (1), (2) or (3), as appropriate.

(iv) In order to obtain the Department's approval of a local code, the lender or other interested party must submit the following material to the HUD Field Office serving the jurisdiction in which the property is to be constructed:

(A) A copy of the jurisdiction's local building code, including all applicable service codes and appendices; and

(B) A copy of the statute, ordinance, regulation, or order establishing the code, if such statute, ordinance, regulation or order is not contained in the building code itself.

However, the lender or other interested party need not submit any document already on file in the HUD Field Office.

(2) *Jurisdictions with previously accepted or partially accepted building codes.* The following submission requirements apply to lenders or other interested parties in any jurisdiction with a building code which has been accepted or partially accepted by the Secretary:

(1) The lender or other interested party shall submit to the HUD Field Office serving the jurisdiction in which the property is to be constructed:

(A) A certificate stating that, since the date when the code or any changes thereto were last submitted to the Secretary, the jurisdiction's local building code has not been changed; or

(B) (1) A copy of all changes to the jurisdiction's building code, including all applicable service codes and appendices, which have been made since the date when the code or other changes thereto were last submitted to the Secretary. However, the lender or other interested party need not submit any part already in the possession of the HUD Field Office; and

(2) A copy of the statute, ordinance, regulation, or order making such changes in the code.

(ii) If, based upon changes to the local building code, the Secretary determines that it is unacceptable, the lender or other interested party must comply with the requirements of § 200.926(d)(1)(i)(A), (B) or (C), as appropriate.

(iii) If the local building code was previously found by the Secretary to be partially acceptable and there have been no changes to it or if the local building code was previously found by the Secretary to be partially acceptable and if, based upon changes to it, the Secretary determines that it is still partially acceptable or if the local building code was previously found by the Secretary to be acceptable and if, based upon changes to it, the Secretary determines that it is partially acceptable, then the lender or other interested party must comply with § 200.926(d)(1)(ii)(B)(2) (1), (ii) and (iii).

(iv) If the local building code was previously found by the Secretary to be partially acceptable and if, based upon changes to it, the Secretary determines that it is acceptable, or if the local building code was previously found by the Secretary to be acceptable and there have been no changes to the code, or if the local building code was previously found by the Secretary to be acceptable and if, based upon changes to it, the Secretary determines that it is still acceptable, then the lender or other interested party must comply with the local building code and the requirements of § 200.926d.

(3) *Notification of decision.* The Secretary shall review the material submitted under § 200.926(d). Following that review, the Secretary shall issue a written notice (except where there is a previously accepted or partially accepted code which has not been changed) to the submitting party stating whether the local building code is acceptable, partially acceptable, or not acceptable. Where the local building code is not acceptable, the notice shall also state whether the State code is acceptable, partially acceptable or not acceptable. The notice shall also contain the basis for the Secretary's decision and a notification of the submitting party's right to present its views concerning the denial of acceptance if the code is neither accepted nor partially accepted. The Secretary may, in his discretion, permit either an oral or written presentation of views.

(4) *Department's responsibilities.* (1) Each Regional and Field Office will maintain a current list of jurisdictions with accepted local or State building codes, a current list of jurisdictions with partially accepted local or State building codes and a current list of jurisdictions



with local or State building codes which have not been accepted. For local codes, the lists will state the most recent date when the code or changes thereto were submitted to the Secretary. The lists, which shall be prepared by the Field Offices and submitted to the Regional Offices, will be available to any interested party upon request. In addition, the list of jurisdictions whose codes have been partially accepted shall identify in accordance with § 200.926c those portions of the codes listed at § 200.926b(a) with which the property must comply.

(ii) The Department is responsible for obtaining copies of the State codes and any changes thereto.

**§ 200.926a Residential building code comparison items.**

HUD will review each local and State code submitted under this subpart to determine whether it regulates all of the following areas and subareas:

- (a) *Fire Safety.*
- (1) Allowable height;
  - (2) Fire separations;
  - (3) Fire resistance requirements;
  - (4) Egress doors and windows;
  - (5) Unit smoke detectors;
  - (6) Flame spread.
- (b) *Light and ventilation.*
- (1) Habitable rooms;
  - (2) Bath and toilet rooms.
- (c) *Structural loads.*
- (1) Design live loads;
  - (2) Design dead loads;
  - (3) Snow loads (for jurisdictions with snow loading conditions identified in Section 7 of ANSI A58.1-82);
  - (4) Wind loads;
  - (5) Earthquake loads (for jurisdictions in seismic zones 3 or 4 as identified in Section 9 of ANSI A58.1-82).
- (d) *Foundation systems.*
- (1) Foundation depths;
  - (2) Footings;
  - (3) Foundation materials criteria.
- (e) *Materials standards.*
- (1) Materials standards.
- (f) *Construction components.*
- (1) Steel;
  - (2) Masonry;
  - (3) Concrete;
  - (4) Lumber;
  - (5) Roof construction and covering;
  - (6) Chimneys and fireplaces.
- (g) *Glass.*
- (1) Thickness/area requirements;
  - (2) Safety glazing.
- (h) *Mechanical.*
- (1) Heating, cooling and ventilation systems;
  - (2) Gas, liquid and solid fuel piping and equipment;
  - (3) Chimneys and vents;
  - (4) Ventilation (air changes).
- (i) *Plumbing.*

- (1) Materials standards;
  - (2) Sizing and installing drainage systems;
  - (3) Vents and venting;
  - (4) Traps;
  - (5) Cleanouts;
  - (6) Plumbing fixtures;
  - (7) Water supply and distribution;
  - (8) Sewage disposal systems.
- (j) *Electrical.*
- (1) Branch circuits;
  - (2) Services;
  - (3) Grounding;
  - (4) Wiring methods;
  - (5) Cable;
  - (6) Conduit;
  - (7) Outlets, switches and junction boxes;
  - (8) Panelboards.

**§ 200.926b Model codes.**

(a) *Incorporation by reference.* The following model code publications are incorporated by reference in accordance with 5 U.S.C. 552(a) and 1 CFR Part 51. The incorporation by reference of these publications has been approved by the Director of the Federal Register. The locations where copies of these publications are available are set forth below.

(1) *CABO One and Two Family Dwelling Code*, 1983 edition, with the 1984 and 1985 Amendments, excluding Chapter 1—Administrative; Part VI—Electrical; and Part VII—Energy Conservation, but including Appendices A and B of the Code. Available from Council of American Building Officials, 5203 Leesburg Pike, Falls Church, VA 22041.

(2) *Electrical Code for One and Two Family Dwellings*, NFPA 70A, 1984 Edition, including appendices. Available from the National Fire Protection Association, Batterymarch Park, Quincy, Massachusetts 02269.

(b) *Model code compliance requirements.* (1) When a one or two family dwelling is to comply with the model codes set forth in § 200.926b(a), the following requirements of those model codes shall not apply to those properties:

(i) Those provisions of the model codes that establish energy requirements for one and two family dwellings; and

(ii) Those provisions of the model codes that require or allow the issuance of permits of any sort.

(2) Where the model codes set forth in § 200.926b(a) designate a building, fire, mechanical, plumbing or other official, the Secretary's designee in the HUD Field Office serving the jurisdiction in which the dwelling is to be constructed shall act as such official.

(c) *Designation of Model Codes.* When a one or two family dwelling is to

comply with portions of a model code or the entire model code, it shall comply with the model codes in paragraph (c)(1) and/or (c)(2) of this section as designated by the HUD Field Office serving the jurisdiction in which the property is located. In addition, such property shall comply with all of the standards which are referenced in such code or codes.

(1) *CABO One and Two Family Dwelling Code/1983 with 1984 and 1985 Amendments.*

(2) *Electrical Code for One and Two Family Dwellings, NFPA 70A/1984.*

**§ 200.926c Model code provisions for use in partially accepted code jurisdictions.**

If a lender or other interested party is notified that a State or local building code has been partially accepted, then the properties eligible for HUD benefits in that jurisdiction shall be constructed in accordance with the applicable State or local building code, plus those additional requirements identified below. Depending upon the major area identified in § 200.926a which is not adequately regulated by the State or local code, the HUD Field Office will designate, in accordance with the schedule below, those portions of one of the model codes with which the property must comply.

**SCHEDULE FOR MODEL CODE SUPPLEMENTS TO LOCAL OR STATE CODES**

Deficient major from § 200.926a as determined by field office review	Portions of the CABO 1- and 2-family dwelling code/1983 with 1984 and 1985 amendments with which property must comply
(a) Fire safety	Chapters 2, 9, Section R-402.
(b) Light and ventilation	Chapter 2; Section R-309.
(c) Structural loads	Chapter 2.
(d) Foundation systems	Chapter 3.
(e) Materials standards	Chapter 26.
(f) Construction components	Part III.
(g) Glass	Chapter 2.
(h) Mechanical	Part IV.
(i) Plumbing	Part V.
(j) Electrical	Electrical code for 1- and 2-family dwellings (NFPA 70A-1984).

**§ 200.926d Construction requirements.**

(a) *Application.* (1) *General.* These standards cover the actual site, the immediate site environment for the dwellings, including streets, storm water disposal, and other services and facilities for the site.

(2) *Requirements for accessibility to physically handicapped people.* The HUD Field Office will advise project sponsors as to the extent accessibility will be required for new construction of one- and two-family dwellings on a project-by-project basis.



(i) *Technical standards.* See HUD Handbook, 4910.1, Sections 100-1.3b and 100-1.3c.

(3) *Variations to standards.*—

(i) *New materials and technologies.* See § 200.926d(d). Alternatives, nonconventional or innovative methods and materials shall be equivalent to these standards in the areas of structural soundness, durability, economy of maintenance or operation and usability.

(ii) *Variation procedures.* Variations from the requirements of any standard with which the Department requires compliance shall be made in the following ways:

(A) For a particular design or construction method to be used on a single case or project, the decision is the responsibility of the Field Office. Headquarters concurrence is not required.

(B) Where a variation is intended to be on a repetitive basis, a recommendation for a Local Acceptable Standard, substantiating data, and background information shall be submitted by the Field Office to the Director, Office of Manufactured Housing and Regulatory Functions.

(iii) Variances which require individual analysis and decision in each instance are not considered as repetitive variances even though one particular standard is repeatedly the subject of variation. Such variances are covered by § 200.926d(a)(3)(ii)(A).

(b) *General acceptability criteria.*—(1) *Real estate entity.* The property shall comprise a single plot except that a primary plot with a secondary plot for an appurtenant garage or for other use contributing to the marketability of the property will be acceptable provided the two plots are in such proximity as to comprise a readily marketable real estate entity.

(2) *Service and facilities.*—(i) *Trespass.* Each living unit shall be one that can be used and maintained individually without trespass upon adjoining properties, except when the windowless wall of a detached dwelling is located on a side lot line. A detached dwelling may be located on a side lot line if:

(A) legal provision is made for permanent access for the maintenance of the exterior portion of the lot line wall, and

(B) the minimum distances from the dwelling to the dwellings on the abutting properties are not less than the sum of the side yard distances computed as appropriate for the type of opposing walls. (minimum distance 10 ft).

(ii) *Utilities.* Utility services shall be independent for each living unit, except

that common services such as water, sewer, gas and electricity may be provided for living units under a single mortgage or ownership. Separate utility service shut-off for each unit shall be provided. For living units under separate ownership, common utility services may be provided from the main to the building line when protected by an easement or covenant and maintenance agreement acceptable to HUD, but shall not pass over, under or through any other living unit. Individual utilities serving a living unit may not pass over, under or through another living unit under the same mortgage unless provision is made for repair and maintenance of utilities without trespass or when protected by an easement or covenant providing permanent access for maintenance and repair of the utilities. Building drain cleanouts shall be accessible from the exterior where a single drain line within the building serves more than one unit.

(3) *Site conditions.* (i) The property shall be free of those foreseeable hazards and adverse conditions which may affect the health and safety of the occupants or the structural soundness of the improvements, or which may impair the customary use and enjoyment of the property. The hazards include toxic chemicals, radioactive materials, other pollution, hazardous activities, potential damage from soil or other differential ground movements, ground water, inadequate surface drainage, flood, erosion, or others located on or off site. The site must meet the standards set forth at 24 CFR Part 51.

(ii) When special conditions exist or arise during construction which were unforeseen and which necessitate precautionary or hazard mitigation measures, the HUD Field Office shall require corrective work to mitigate potential adverse effects from the special conditions as necessary. Special conditions include rock formations, unstable soils or slopes, high ground water levels, springs, or other conditions which may adversely affect a property. It shall be the builder's responsibility to ensure proper design, construction and satisfactory performance where these conditions are present.

(4) *Access.* (i) Each property shall be provided with vehicular or pedestrian access by a public or private street. Private streets shall be protected by permanent easement.

(ii) Each living unit shall have a means of access such that it is unnecessary to pass through any other living unit.

(iii) The rear yard shall be accessible without passing through any other living unit.

(iv) For a townhouse type dwelling, access to the rear yard may be by means of alley, easement, passage through the dwelling, or other means acceptable to the HUD Field Office.

(c) *Site design.*—(1) *General.* (i) A site design shall be provided which includes an arrangement of all site facilities necessary to create a safe, functional, healthful, durable and energy efficient living environment.

(ii) These site design standards are applicable only in communities which have not adopted criteria for site development applicable to one and two family dwellings.

(iii) Single family detached houses situated on individual lots located on existing streets with utilities need not comply with the requirements of § 200.926d(c) (2), (3) and (4)(ii).

(2) *Streets.* (i) Existing or proposed streets on the site shall connect to private or public streets and shall provide all-weather access to all buildings for essential and emergency use, including access needed for deliveries, service, maintenance and fire equipment.

(ii) Streets shall be designed for dedication for public use and maintenance or, when approved by the HUD Field Office, may be retained as private streets where protected by permanent easements.

(3) *Dedication.* Utilities shall be located to permit dedication to the local government or appropriate public body.

(4) *Drainage and flood hazard exposure.* (i) The minimum grades at buildings and at openings into basements shall be at elevations which prevent adverse effect by water or water entering basements from flood levels equivalent to a 50 year return frequency after full development. The floor elevations of all habitable space shall be above runoff and flood levels equivalent to a 100 year return frequency after full development.

(ii) Streets shall be usable during runoff equivalent to a 10 year return frequency. Where drainage outfall is inadequate to prevent runoff equivalent to a 10 year return frequency from ponding over 6 inches deep, streets shall be made passable for commonly used emergency vehicles during runoff equivalent to a 25 year return frequency, except where an alternate access street not subject to such ponding is available.

(iii) Crawl spaces shall not pond water or be subject to prolonged dampness.

(d) *Special construction and product acceptance.*—(1) *Structural features of factory produced (modular or panelized) housing or components.*



(i) For factory fabricated systems or components, HUD Handbook 4950.1, "Technical Suitability of Products Program Technical and Processing Procedures" shall apply.

(ii) The requirements of this Part shall apply to structural features, consisting of factory fabricated systems or components assembled either at the factory or at the construction site, if the total construction is covered by these standards and can be inspected on-site for determination of compliance.

(2) *Non-structural or non-standard features.* These features include methods of construction, systems, sub-systems, components, materials and processes which are not covered by these requirements. See HUD Handbook 4950.1 for procedures to be followed in order to obtain acceptance of non-structural components or materials. See HUD Handbook 4910.1, Appendix F for a list of Use of Materials Bulletins. Products and methods shall conform to the appropriate Use of Materials Bulletin.

(3) *Standard features.* These features include methods of construction, systems, sub-systems, components, materials and processes which are covered by national society or industry standards. For a list of standards to which compliance is required, see HUD Handbook 4910.1, Appendix C.

(e) *Thermal requirements.—(1) Building insulation.*

(i) *General.* Buildings shall be insulated so as to ensure conservation of energy, economy of operation and comfort to the occupants.

(ii) *Overall coefficient of heat transmission.* (A) All buildings which are heated or cooled mechanically shall be constructed to comply with the U values shown in the table at § 200.926d(e)(1)(iii). The U values shown do not include adjustments for framing in walls, ceilings or floors, nor for the sash frame in windows or glass doors.

(B) Where the stated U value of any one component of roof deck, ceiling, wall or floor cannot be practically obtained, such U value may be increased to the minimum figure attainable and the U value for other components decreased until the overall heat gain or heat loss does not exceed the total attained by conformance to the stated U values. (See Note 2 of the table at § 200.926d(e)(1)(iii)).

(iii) *Component coefficient values.* For ceilings, walls, floors and openings, U values shall not exceed those shown in the following table:

MAXIMUM U VALUES FOR CEILING, WALL AND FLOOR SECTIONS FOR ELECTRIC RESISTANCE HEAT (E.R.) AND HEAT PUMP OR FOSSIL FUEL HEAT (F.F.)<sup>1</sup>

Heating degree days (65 °F base)	Ceilings <sup>2*</sup>		Walls <sup>2</sup>		Floors <sup>2</sup>		Windows <sup>2</sup>		Siding glass doors <sup>2</sup>		Storm doors <sup>2</sup>	
	ER	F.F.	ER	F.F.	ER	F.F.	ER	F.F.	ER	F.F.	ER	F.F.
	0 to 1000	.05	.05	.08	.08			1.13	1.13	1.13	1.13	No.
1001 to 2500	.04	.05	.07	.08			.69	1.13	.69	1.13	No.	No.
2501 to 3500	.03	.04	.05	.08	.07		.69	1.13	.69	1.13	No.	No.
3501 to 4500	.03	.03	.05	.07	.05	.05	.69	.69	.69	.69	No.	No.
4501 to 6000	.03	.03	.05	.07	.05	.07	.47	.69	.69	.69	Yes	No.
6001 to 7000	.026	.03	.05	.07	.05	.07	.47	.69	.69	.69	Yes	No.
7001 +	.026	.026	.05	.05	.05	.05	.47	.47	.69	.69	Yes	Yes.

#### Notes

<sup>1</sup> For areas of 5,000 heating degree days (HDD) or less, houses using heat pumps may be insulated to levels required for fossil fuels. In areas above 5,000 HDD, houses using air-to-air heat pumps shall be insulated to levels required for electric resistance (E.R.) heating, except where the following are used:

- Water source heat pumps.
- Fossil fuel supplement heat.
- Units with multiple capacity.
  - Dual compressors
  - Modulating compressor speed
  - Dual speed compressor
- Uni-directional heat pumps (such as annual cycle energy systems (ACES)).
- Units with balanced heating and cooling load.

<sup>2</sup> The following combinations of wall and ceiling values are considered to provide annual heating and cooling consumption comparable to that predicted for values in the above Table and may be substituted accordingly. Other components shall conform to the values shown below for the specific heating degree day (HDD):

HDD (65 °F)	ER		FF	
	CLG	Wall	CLG	Wall
0 to 1000	.04	.14	.04	.14
	.03	.15	.03	.15
	.026	.16	.026	.16
1001 to 1500	+	+	.04	.13
	.03	.13	.03	.14
	.026	.14	.026	.16
1501 to 2500	+	+	.04	.12
	.03	.11	.03	.13
	.026	.12	.026	.14
2501 to 3000	+	+	.03	.12
	.026	.07	.026	.13

(+ See Table at § 200.926d(e)(1)(iii)).

<sup>3</sup> Includes roof/ceiling assemblies, in which the finished ceiling is the underside of the roof deck.

<sup>4</sup> For floors of heated spaces over unheated basements, unheated garages or unheated crawl spaces. A basement, crawl space or garage shall be considered unheated unless it is provided with a positive heat supply sufficient to maintain a minimum temperature of 50°F. A positive heat supply is defined as heat supplied to a space by design or by heat losses occurring from energy-consuming systems or components associated with that space. Where the walls of an unheated basement or crawl space are insulated in lieu of floor insulation, the total heat loss

attributed to the floor from the heated area shall not exceed the heat loss calculated for floors with required insulation.

<sup>5</sup> Maximum glass area shall not exceed 15 percent of the gross area of all exterior walls enclosing heated spaces, except when it can be demonstrated that the winter daily solar heat gain exceeds the 24 hour heat loss and the glass area is properly screened from summer solar heat gain. In areas where cooling is the predominant load and the heating load is insignificant (as an example, 2000 or more cooling hours and 2000 or less heating degree days), the maximum glazing area stated above may be waived when glass area is properly screened from solar heat gain. Any additional glass area shall have a significant portion of operable sash in order to provide natural ventilation.

<sup>6</sup> A 1-3/4 inch metal faced door system with an insulated core and durable weatherstripping providing a U value equal or better than 0.32, and an infiltration rate not greater than .50 cfm per foot of crack length, tested accordingly to ASTM E 283 at 1.567 psf of air pressure, may be substituted for a conventional door and storm door. All exterior doors shall be weatherstripped.

<sup>7</sup> In areas with 1501 or more heating degree days, a storm door is required when the primary door is a hollow core door or is over 25% glass.

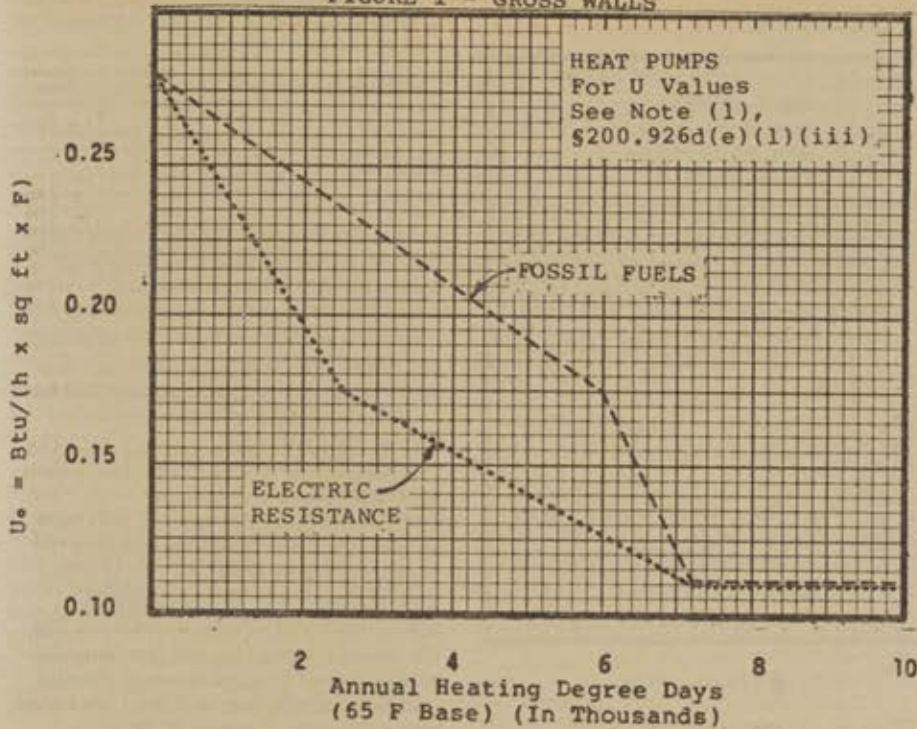
(iv) *Alternate performance criteria.* (A) As an alternative to conformance with the table at § 200.926d(e)(1)(iii), dwellings which conform to the performance criteria of this section shall be considered acceptable.

(B)  $U_0$  (gross wall)—Total exterior wall area (opaque wall and window and door) shall have a combined thermal transmittance value ( $U_0$  value) not to exceed the values shown in Figure 1. Equation 1 shall be used to determine acceptable combinations to meet the requirements of Figure 1.

(C)  $U_0$  (gross ceiling)—Total ceiling area (opaque ceiling and skylights) shall have a combined thermal transmittance value ( $U_0$  value) not to exceed the values shown in Figure 2. Equation 2 shall be used to determine acceptable combinations to meet the requirements of Figure 2.



FIGURE 1 - GROSS WALLS



Equation 1 Formula for Determining Combinations (See Figure 1)

where

$$U_o = (U_{wall} A_{wall} + U_{window} A_{window} + U_{door} A_{door}) / A$$

$U_o$  = the average thermal transmittance of the gross wall area, Btu/(h x sq. ft. x F)

$A_o$  = the gross area of all exterior walls enclosing heated spaces, sq. ft.

$U_{wall}$  = the thermal transmittance of all elements of the opaque wall area, Btu/(h x sq. ft. x F)

$A_{wall}$  = opaque wall area enclosing heated spaces, sq. ft.

$U_{window}$  = the thermal transmittance of the window area, Btu/(h x sq. ft. x F)

$A_{window}$  = window area (including sash), sq. ft.

$U_{door}$  = the thermal transmittance of the door area, Btu/(h x sq. ft. x F)

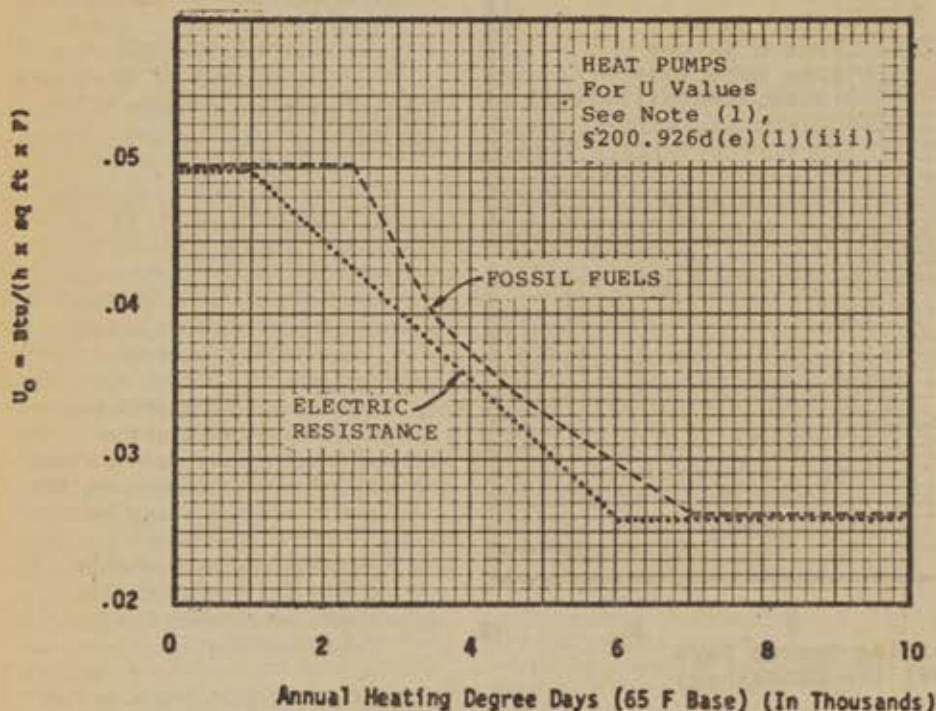
$A_{door}$  = door area (including sash), sq. ft.

Note.—Where more than one type of wall, window and/or door is used, the  $U \times A$  term for that exposure shall be expanded into its sub-elements, as follows:

$$U_{wall_1} A_{wall_1} + U_{wall_2} A_{wall_2}, \text{ etc.}$$



GROSS CEILING - FIGURE 2



Equation 2 Formula for Determining Roof/Ceiling Combinations

where:

$$U_o = (U_{\text{roof}} A_{\text{roof}} + U_{\text{skylight}} A_{\text{skylight}}) / A_o$$

$U_o$  = the average thermal transmittance of the gross roof/ceiling area, Btu/(h x sq. ft. x F)

$A_o$  = the gross area of a roof/ceiling assembly, sq. ft.

$A_{\text{roof}}$  = opaque roof/ceiling area, sq. ft.

$U_{\text{roof}}$  = the thermal transmittance of all elements of the opaque roof/ceiling area, Btu/(h x sq. ft. x F).

$U_{\text{skylight}}$  = the thermal transmittance of all skylight elements in the roof/ceiling assembly, Btu/(h x sq. ft. x F)

$A_{\text{skylight}}$  = skylight area (including frame), sq. ft.

Note to Equation 2.—Where more than one type of roof/ceiling and/or skylight is used, the  $U \times A$  term for that exposure shall be expanded into its subelements, as:

$$U_{\text{roof}_1} A_{\text{roof}_1} = U_{\text{roof}_2} A_{\text{roof}_2}, \text{ etc.}$$

(v) Overall structure performance alternative. Structures which can be shown by accepted engineering practice to have energy consumption equal to or less than that which would be obtained by conformance to the criteria of § 200.926(e)(1)(iii) or (iv) shall be considered acceptable. The contribution of passive solar energy and the related storage and reradiation capacity of masonry, water and other mass may be recognized in computing energy consumption under this alternate method. The following requirements

shall govern in determining comparability:

(A) The methodology shall be cost effective to the energy consumer.

(B) The methodology shall not adversely affect the structural capacity, durability, or safety aspects of the structure.

(C) All data and calculations must show valid performance comparison between the proposed option and a structure comparable in size, configuration, orientation and occupant usage designed in accordance with § 200.926(d)(1)(iii) or (iv).

(vi) Basement or crawl space foundation walls. Insulation may be omitted from floors over heated basement areas or heated crawl spaces if foundation walls are insulated. Foundation walls of heated areas below grade need not be insulated except where recreation or similar use rooms or habitable rooms are provided, or where more than 50 percent of the wall is exposed to outside air. The U value of foundation wall sections shall not exceed the values shown in the following table except where the alternative methods shown in § 200.926(d)(1)(iv) or (v) are employed and foundation walls are included in the determination of the average thermal transmittance of the gross wall area.

MAXIMUM U VALUES OF THE FOUNDATION WALL SECTIONS OF HEATED BASEMENT OR HEATED CRAWL SPACE

Heating degree days (65 °F base)	Maximum U value
2500 or less	No requirement.
2501 to 4500	0.17
4501 or more	0.10

(vii) Crawl space plenum walls. When a crawl space is used as a supply or return plenum, the crawl space perimeter wall shall be insulated to provide a maximum heat loss of 35 Btu/h per lineal foot of perimeter wall, assuming a crawl space air temperature of 70 °F for return plenums and 110 °F for supply plenums.

(viii) Slab-on-grade floors. For slab-on-grade floors of heated or mechanically cooled spaces, the thermal resistance of the insulation around the perimeter of the floor shall be not less than shown in the following table. Insulation shall extend downward from the top of the slab for not less than 24 in. or downward to the bottom of the slab and horizontally beneath the slab for a minimum total distance of 24 in.

MINIMUM R VALUES OF PERIMETER INSULATION FOR SLABS-ON-GRADE

Heating degree days (65 °F base)	Minimum R values <sup>1</sup>	
	Heated slab	Unheated slab
500 or less	2.8	
1,000	3.5	
2,000	4.0	
2,500	4.4	2.5
3,000	4.8	2.8
4,000	5.5	3.5
5,000	6.3	4.2
6,000	7.0	4.8
7,000	7.8	5.5
8,000	8.5	6.2
9,000	9.2	6.8
10,000 or greater	10.0	7.5

<sup>1</sup> For increments between degree days shown, U values may be interpolated, or the values shown in Figure 3 of ASHRAE 90A-80 may be substituted.

(ix) Heat loss and heat gain calculations. (A) Calculations of heat loss and heat gain shall be made in accordance with the data and procedures contained in the American Society of Heating Refrigerating and Air-conditioning Engineers' (ASHRAE) Handbook of Fundamentals-1985, the Hydronics Institute's "Heat Loss Calculation Guide" H-21-1984 and "Cooling Load Calculation Guide" C-30-1965, and the Air Conditioning Contractors of America's "Load Calculation for Residential Winter and Summer Air Conditioning" Manual J-1981.

(B) Inside design temperature shall be 70 °F for heating and 75 °F for cooling. The outside design temperature for



heating shall be that established by the ASHRAE Handbook of Fundamentals at the 97.5% winter design dry bulb temperature for the location involved. The outside design temperature for cooling shall be that established by the ASHRAE Handbook of Fundamentals at the 2.5% summer design dry bulb temperature for the location involved.

(f) *Water supply systems.*—(1) *General.* (i) Each living unit shall be provided with a continuing and sufficient supply of safe water under adequate pressure and of appropriate quality for all household uses. This system shall not impair the function or durability of the plumbing system or attachments.

(ii) The chemical and bacteriological standards of the local health authority shall apply. In the absence of such standards, the maximum contaminant levels of EPA shall apply. A water analysis may be required by either the health authority or the HUD Field Office.

(iii) Whenever feasible, connection shall be made to a public water system. When a public system is not available, connection shall be made to a community system which complies with HUD Handbook 4940.2, if feasible.

(2) *Individual water systems.* (i) The system should be capable of delivering a flow of 5 gpm over at least a 4 hour period.

(ii) Water that requires continuing or repetitive treatment to be safe bacterially or chemically is not acceptable. Individual dwelling water purification units are not an acceptable alternative but may be used to improve acceptable water.

(iii) After installation, the system shall be disinfected in accordance with the recommendations or requirements of the local health authority. In the absence of a health authority, system cleaning and disinfection shall conform to the current EPA Manual of Individual Water Supply Systems.

(iv) Bacteriological or chemical examination of a water sample collected by a representative of the local or state health authority shall be made when required by that authority or the HUD Field Office.

(3) *Location of wells.* (i) A well located within the foundation walls of a dwelling is not acceptable except in arctic or subarctic regions.

(ii) Water which comes from any soil formation which may be polluted, contaminated, fissured, creviced or less than 20 ft. below the natural ground surface is not acceptable, unless acceptable to the local health authority.

(iii) Individual water supply systems are not acceptable for individual lots in

areas where chemical soil poisoning has been or is practiced if the overburden of soil between the ground surface and the water bearing strata is coarse grained sand, gravel, or porous rock, or is creviced in a manner which will permit the recharge water to carry the toxicants into the zone of saturation.

(iv) The following table shall be used in establishing the minimum acceptable distances between wells and sources of pollution located on either the same or adjoining lots. These distances may be increased by either the health authority having jurisdiction or the HUD Field Office.

DISTANCE FROM SOURCE OF POLLUTION	
Source of pollution	Minimum horizontal distance (feet)
Property Line	10
Septic Tank	50
Absorption Field	100
Seepage Pit	100
Absorption Bed	100
Sewer Lines w/Permanent Watertight Joints	10
Other Sewer Lines	50
Chemically Poisoned Soil	25
Dry Well	50
Other	(*)

\* This clearance may be increased or decreased depending upon soil and rock penetrated by the well and aquifer conditions. The clearance may be increased in creviced limestone and permeable strata of gravel and sand. The clearance may be reduced to 50 ft. only where the ground surface is effectively separated from the water bearing formation by an extensive, continuous and impervious strata of clay, hardpan, or rock. The well shall be constructed so as to prevent the entrance of surface water and contaminants.

\* The recommendations or requirements of the local health authority shall apply.

\* This clearance may be reduced to 15 feet only where the ground surface is effectively separated from the water bearing formation by an extensive, continuous and impervious strata of clay, hardpan, or rock.

(4) *Well construction.* (i) The well shall be constructed so as to allow the pump to be easily placed and to function properly.

(ii)(A) All drilled wells shall be provided with a sound, durable and watertight casing capable of sustaining the loads imposed.

(B) The casing shall extend from a point several feet below the water level at drawdown or from an impervious strata above the water level to 12 in. above either the ground surface or the pump room floor. The casing shall be sealed at the upper opening to a depth of at least 15 feet.

(iii) Bored wells shall be lined with concrete, vitrified clay or equivalent materials.

(iv) The space between the casing or liner and the wall of the well hole shall be sealed with cement grout.

(v) The well casing shall not be used to convey water except under positive pressure. A separate drop pipe shall be used for the suction line.

(vi) When sand or silt is encountered in the water-bearing formation, the well

shall either be compacted and gravel packed, or a removable strainer or screen shall be installed.

(vii) The surface of the ground above and around the well shall be compacted and graded to drain surface water away from the well.

(viii) Openings in the casing, cap, or concrete cover for the entrance of pipes, pumps or manholes shall be watertight.

(ix) If a breather is provided, it shall extend above the highest level to which surface water may rise. The breather shall be watertight, and the open end shall be screened and positioned to prevent entry of dust, insects and foreign objects.

(5) *Pump and equipment.* (i) Pumps shall be capable of delivering the volume of water required under normal operating pressure within the living unit. Pump capacity shall not exceed the output of the well.

(ii) Pumps and equipment shall be mounted to be free of objectionable noises, vibrations, flooding, pollution, and freezing.

(iii) Suction lines shall terminate below maximum drawdown of the water level in the well.

(iv) Horizontal segments of suction line shall be placed below the frost line in a sealed casing pipe or in at least 4 in. of concrete. The distance from suction line to sources of pollution shall be not less than shown in the table at § 200.926d(f)(3)(iv).

(6) *Storage tanks.* (i) A pressure tank having a minimum capacity of 42 gallons shall be provided. However, prepressured tanks and other pressurizing devices are acceptable provided that delivery between pump cycles equals or exceeds that of a 42 gallon tank.

(ii) Tanks shall be equipped with a clean-out plug at the lowest point, and a suitable pressure relief valve.

#### § 200.926e Supplemental information for use with the CABO One and Two Family Dwelling Code.

The following shall be used in Table No. R-202, Climatic and Geographic Design Criteria of the CABO One and Two Family Dwelling Code.

##### (a) *Roof live loads.*

Roof slope 3 in 12 or less: 20 psf  
Roof slope over 3 in 12: 15 psf  
Roof used as deck: 40 psf

(b) *Roof snow load.* The roof snow load shall be in accordance with section 7 of ANSI A58.1-82.

(c) *Wind pressures.* The minimum Design Wind Pressures (net pressures) set forth below apply to areas designated as experiencing basic wind speeds up to and including 80 mph, as



shown in ANSI A58.1-82, Figure 1, Basic Wind Speed Map. These pressures also apply to buildings not over 30 ft. in height above finish grade, assuming exposure C or defined in ANSI A58.1-82.

(1) *Minimum design wind pressure criteria.*

(i) Buildings (for overturning racking or sliding);  $p=20$  psf.

(ii) Chimneys,  $p=30$  psf.

(iii) Exterior walls,  $p=15$  psf inward or outward. Local pressure at corners of walls shall be not less than  $p=30$  psf outward. These local pressures shall not be included with the design pressure when computing overall loads. The pressures shall be applied perpendicularly outward on strips of width equal to 10 percent of the least width of building.

(iv) Partitions,  $p=10$  psf.

(v) Windows,  $p=20$  psf inward or outward.

(vi) Roof,  $p=20$  psf inward or outward.

Roofs with slopes greater than 6 in 12 shall be designed to withstand pressures acting inward normal to the surface, equal to the design wind pressure for exterior walls. Overhanging eaves, cornices, and ridges, 40 psf upward normal to roof surface. These local pressures shall not be included with the design pressure when computing overall loads. The pressures shall be applied perpendicularly outward on strips of width equal to 10 percent of the least width of building.

Net uplift on horizontal projection of roof shall not be less than 12 psf.

(2) *Severe wind design pressures.* If the construction is higher than 30 ft., or if it is located in an area experiencing wind speeds greater than 80 mph, higher design wind pressures than shown above are required. Use Section 6 of ANSI A58.1-82 for higher criteria and for determining where wind speeds greater than 80 mph occur.

Pressures are assumed to act horizontally on the gross area of the vertical projection of the structure except as noted for roof design.

(d) Seismic conditions shall be in accordance with Section 9 of ANSI A58.1-82.

(e) *Subject to damage from: weathering.* A jurisdiction's weathering

region shall be as established by the map in ASTM C 62-83.

(f) *Subject to damage from: frost line depth.* Exterior wall footings or foundation walls including those of accessory buildings shall extend a minimum of 6 in. below the finished grade and, where applicable, the prevailing frost line.

(g) *Subject to damage from: termites.* "Yes" shall be used in locations designated as Regions I, II or III. "No" shall be used in locations designated as Region IV. The map for Termite Infestation Probability in Appendix A of CABO, One and Two Family Dwelling Code shall be used to determine the jurisdiction's region.

(h) *Subject to damage from: decay.* "Yes" shall be used in locations designated as moderate to severe and slight to moderate. "No" shall be used in locations designated as none to slight. The Decay Probability map in Appendix A of CABO, One and Two Family Dwelling Code shall be used to determine the jurisdiction's decay designation.

(Approved by the Office of Management and Budget under OMB control number 2502-0338.)

5. The Appendix to Part 200 is revised as follows:

**Appendix to Part 200—Standards Incorporated by Reference in the Minimum Property Standards for One and Two Family Dwellings**

The following publications are incorporated by reference in the HUD Minimum Property Standards (MPS). The MPS are in turn incorporated by reference in 24 CFR Part 200, Subpart S. The MPS may be purchased from the U.S. Government Printing Office, Washington, DC 20402. It is also available for public inspection at the HUD Program Information Center, Room 1104, 451 Seventh Street, S.W., Washington, DC, at each HUD Regional, Area, and Service Office, and at the Office of the Federal Register, 1100 L Street, NW, Washington, DC. The individual standards referenced in the MPS are available at the addresses contained in the following table. They are also available for public inspection at HUD, Manufactured Housing and Construction Standards Division, Room 9156, 451 Seventh Street, SW, Washington, DC and the Office of the Federal Register.

Air Conditioning Contractors of America, 1228 17th Street, N.W., Washington, DC 20036.

Load Calculation for Residential Winter and Summer Air Conditioning, Manual J 1981.

American National Standards Institute, 1430 Broadway, New York, New York 10018.

ANSI A58.1-82 Minimum Design Loads in Building and other Structures.

American Society for Testing and Materials, 1916 Race Street, Philadelphia, Pennsylvania 19103.

ASTM C 62-83 Standard Specification for Building Brick (Solid masonry units made from clay or shale).

American Society of Heating, Refrigerating and Air Conditioning Engineers, 1791 Tullie Circle, NE, Atlanta, Georgia 30329.

ASHRAE Handbook of Fundamentals—1985.

ASHRAE Energy Conservation in New Building Design 90A-80.

Council of American Building Officials, 5203 Leesburg Pike, Falls Church, Virginia 22041.

CABO One and Two Family Dwelling Code, 1983 edition, with the 1984 and 1985 Amendments, excluding chapter 1—Administrative; Part VI—Electrical; and Part VII—Energy Conservation, but including appendices A and B of the Code.

The Hydronics Institute, 35 Russo Place, Berkeley Heights, New Jersey 07922. Heat Loss Calculation guide, H-21-1984.

The National Fire Protection Association, Batterymarch Park, Quincy, Massachusetts 02269.

Electrical Code for One and Two Family Dwellings, NFPA 70A, 1984 Edition, including appendices.

Department of Housing and Urban Development, 451 Seventh Street, S.W., Washington, DC 20410.

Handbooks: 4940.2-8/73 Minimum Design Standards for Community Water Supply.

4950.1-8/79 Technical Suitability of Products Program, Technical and Processing Procedures.

Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460.

EPA 430/9-74/007 Manual of Individual Water Supply Systems (Reprinted 1975) (PB 258402).

Dated: September 18, 1985.

Janet Hale,

Acting General Deputy Assistant Secretary for Housing—Federal Housing Commissioner.

[FR Doc. 85-22935 Filed 9-26-85; 8:45 am]

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# **Federal Register**

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Friday  
September 27, 1985

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**Part VI**

## **Department of Justice**

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**Office of Juvenile Justice and  
Delinquency Prevention**

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**Program Announcement; School Crime  
and Discipline Research and  
Development; Notice**



## DEPARTMENT OF JUSTICE

## Office of Juvenile Justice and Delinquency Prevention

## Program Announcement: School Crime and Discipline Research and Development Program

**AGENCY:** Office of Juvenile Justice and Delinquency Prevention, Justice.

**ACTION:** Notice of issuance of a solicitation of applications to conduct a research and development program on school crime.

**SUMMARY:** The Office of Juvenile Justice and Delinquency Prevention (OJJDP), pursuant to section 243 of the Juvenile Justice and Delinquency Prevention Act of 1974, as amended, announces a new OJJDP initiative entitled, "School Crime and Discipline Research and Development Program." The primary goal is to test promising strategies for the development, implementation, and monitoring of disciplinary and crime control policies and procedures which are intended to reduce school crime and disorder to provide for a safer school environment.

OJJDP's National Institute for Juvenile Justice and Delinquency Prevention (NIJJDP) invites public or private agencies to submit competitive grant applications to design, develop and test the efficacy of improved disciplinary policies and procedures for the reduction of school crime and disorder in secondary schools. Targeted schools must be experiencing a high level of disciplinary or crime problems. Emphasis will be placed on the assessment of the effects of legislation, case law, regulations and lawsuits related to discipline and crime control. This initiative will require a collaborative effort among researchers, program planners, school administrators, faculty, and law enforcement personnel, as appropriate.

The deadline for submission of applications is December 6, 1985.

**FOR FURTHER INFORMATION CONTACT:** Deborah A. Wysinger, Office of Juvenile Justice and Delinquency Prevention, 633 Indiana Ave, N.W., Room 742, Washington, D.C. 20531, telephone (202) 724-7560.

**SUPPLEMENTARY INFORMATION:**

## Request for Proposals—School Crime and Discipline Research and Development Program

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**I. Introduction**

This solicitation for applications to conduct a School Crime and Discipline Research and Development Program is issued by the National Institute for Juvenile Justice and Delinquency Prevention (NIJJDP), of the Office of Juvenile Justice and Delinquency Prevention (OJJDP), U.S. Department of Justice. The OJJDP and its NIJJDP were established by the Juvenile Justice and Delinquency Prevention Act of 1974, as amended (JJDP Act).

The JJDP Act authorizes NIJJDP to: "encourage the development of demonstration projects in new, innovative techniques and methods to prevent and treat juvenile delinquency;" (Section 243(2)) and to "provide for the evaluation of all juvenile delinquency programs assisted under this title in order to determine the results and the effectiveness of such programs," (Section 243(3)).

OJJDP's National Institute for Juvenile Justice and Delinquency Prevention invites public or private agencies to submit applications designed to develop and test promising strategies for the reduction of school crime and improvement of disciplinary procedures and school environment.

OJJDP has allocated a total of \$300,000 for the first phase of this Initiative. Up to three projects not to exceed \$100,000 each for the initial twelve month budget period will be funded as a result of this competition. It is anticipated that this research and development initiative will entail three to four years of program activity to conduct the necessary planning, implementation and testing. Therefore project periods will not exceed four years. The second phase of this initiative will consist of awards to each of the three selected R&D projects for up to \$200,000 for each subsequent twelve month budget period.

This competition will be conducted according to the OJJDP Competition and Peer Review Policy, 28 CFR Part 34, Subpart A, published August 2, 1985 at 50 FR 31365-31366.

**II. Background**

Creating a safe and orderly school environment is a prerequisite for students to focus their attention on learning. Many of the recent reports on educational reform—while agreeing on the need for improved curricula and graduation standards—insist that little

reform can occur unless schools become safer. President Reagan put the problem in perspective while speaking to secondary school principals, "As long as one teacher is assaulted, one classroom disrupted, or one student attacked, then I must and will speak out to give you the support you need to enforce discipline in our schools. I can't say it too forcefully, to get learning back into our schools, we must get crime and violence out." The issue of student rights and administrative control have become a focal point for political discussion.

The most comprehensive recent national study specifically devoted to school crime is the *Safe School Study*, which was conducted by the National Institute of Education (NIE) in the mid 1970's. The major objectives of that study were to determine the frequency and seriousness of crime in elementary and secondary schools in the United States and what schools are doing to prevent it. The findings, published in 1978, indicated that 8% of the nation's schools had a serious problem with crime, that one-fourth of all schools in the country were vandalized in a given month and 10% were burglarized.

Based on student reports, NIE estimated that 2.4 million secondary school students (11%) had something stolen from them in a typical month. Approximately 1.3% of the students (282,000) reported being attacked in a typical month, with more than two-fifth of the attacks involving some injury. Junior high school students were twice as likely to report being attacked as high school students. The risk of serious attack was greater in urban areas. Teacher victimization rates reported in the NIE study were roughly similar to those of students.

A 1983 report on school violence by Jackson Toby, Director of Rutgers University's Institute for Criminological Research, concluded that the NIE data had probably underestimated the actual instances of school violence at the time the survey was conducted ("Violence in School," *Crime and Justice: An Annual Review of Research*, Vol. 4).

Problems with school discipline are not only recognized by the general public—teachers also list discipline problems as a major concern. The National Education Association (1977) reported that 66% of responding teachers viewed managing student behavior as the main problem faced in teaching. Many teachers felt they were unable to even cope with, much less resolve, the discipline problems they faced each day (Kindsvetter, 1978).

The operation of public schools has traditionally been largely a matter for



local determination, subject to state control in certain respects. Recently, however, a number of federal statutes and judicial decisions have regulated, in one way or another, the activities of public schools,<sup>2</sup> and some of these have engendered state legislative action also affecting local practices.<sup>3</sup> The complexity of this regulatory enterprise is apparent. On the one hand, legislative and judicial decisions set policies at a remote level that are expected to produce consistent behavior in schools. This requires collaboration and cooperation among various levels. The rule or desired practice must be clearly expressed and understood by those charged with implementation. Local administrators must be able and willing to carry out the policy,<sup>4</sup> and where several agencies are responsible for administration, they must agree about their obligations and discharge them in a coordinated and uniform fashion for policy implementation to be complete.

On the other hand, regulation has significance for local officials whether or not they accurately follow specific commands. While appellate courts usually address these discipline and crime control issues on a piecemeal basis, program administrators ordinarily cannot.

The relationship between judicial or legislative regulation and the behavior of those affected by regulatory activity is a complicated matter from a number of perspectives. Courts are mandated to make decisions of specific issues and in contrast school officials need to develop comprehensive policies. For example, based on the United States Supreme Court decision in *Goss v. Lopez*, 419 U.S. 565 (1975), the Indiana State legislature applied that decision through the imposition of procedural rules for short disciplinary suspensions of students.<sup>5</sup> School districts have gone somewhat further by specifying procedures for expulsion and exclusion from school, or for inschool suspension of students and other forms of discipline.

However, school administrators must also decide what procedures are required for other alternative methods of discipline they employ. Another example is the recent analysis of the court decision of the *New Jersey v. T.L.O.*, 105 S. Ct. 733 (1985), where the court provided general guidelines for permissible student searches by school officials, but did not specifically address issues such as: whether students have a legitimate expectation of privacy in lockers, desks or other school property in which school supplies are stored; or standards governing searches of those areas by school officials or other public

authorities acting at school officials' request.<sup>6</sup> School administrators and teachers must either abandon procedures for which clear guidance is lacking, which may be undesirable or even impracticable, or they must consider additional safeguards in terms of what will probably be required by courts when they ultimately address the procedural requirements for those alternatives. This latter approach carries with it some significant risks, including the possibility that the action taken will not only be declared invalid but will give rise to a lawsuit for damages predicated upon violation of a student's civil rights.<sup>7</sup>

Some commentators have suggested that certain legislative code provisions and case law may prevent the use of disciplinary and crime control techniques perceived as necessary to maintain a safe education environment. One problem appears to be the effectiveness of the punishment that is both legally acceptable and educationally sound. Several reports indicate that student lawsuits filed against teachers and administrators, the threat of such suits, and the belief that they may be filed inhibit effective discipline in schools. Specifically, lawsuits brought pursuant to 42 U.S.C. Section 1983, as interpreted by *Wood v. Strickland*, 420 U.S. 308 (1975), are believed to influence disciplinary and crime control practices, although empirical evidence is virtually nonexistent. In addition, those practices are influenced by court decision such as *Goss v. Lopez*, 419 U.S. 565 (1975), and *New Jersey v. T.L.O.*, 105 S.Ct. 733 (1985). The following questions merit further investigation: whether changes in the law, including court decisions, have resulted in more or less effective school discipline and crime control; to what extent does the perception that lawsuits might be filed actually inhibit implementation of certain approaches to school discipline and their effectiveness; to what extent do lawsuits (potential suits and those actually filed and decided) have an impact on the effectiveness of school discipline and how widespread are these perceptions and effects; what changes, if any, in the law are desirable.

Opinions differ regarding whether the justice system standards and procedures of due process are appropriate for schools, or, whether they interfere with effective disciplining of disruptive students. Certain studies, supporting the incorporation of justice system due process, associate observance of these standards with more positive student attitudes towards school rules, the legal

system and academic achievement. Other educators would argue that following the burdensome procedures of due process unduly inhibits their ability to discipline a disruptive student in a timely and effective fashion.

Preliminary findings based on a 12 percent return from a study currently being conducted by the National Center for Education Statistics on school principals' perceptions of school discipline policies and practices show that only a small percentage of the principals surveyed consider the Supreme Court rulings to be a moderate or large operational burden. The findings also indicated that the principals believed that lack of security personnel, or fear of being sued for disciplining students had little effect on the ability of teachers or themselves to maintain order and discipline students. Other constraints, such as inadequate teacher training in discipline procedures and school law and inadequate alternative placement programs for disruptive students, had a greater effect on the ability to maintain order than those previously discussed. It should be noted, however, that the study findings are very preliminary and that the survey was only of school principals and not teachers.

In assessing the impact of federal case precedents on local school operations, it is important to assess the level of knowledge of administrators and teachers about relevant legislation and major court decisions. A recent survey conducted by Julius Menacker and Ernest Pascarella of teachers and administrators of inner city and suburban Chicago public schools on their knowledge of education-related Supreme Court rulings revealed that administrators scored significantly higher (74%) than teachers (63%) on a questionnaire about 13 major Supreme Court cases. Findings from this survey also revealed an ineffective and haphazard communication network for transmitting important Supreme Court decisions to the schools where they have the greatest impact—at the classroom level.

While there does not appear to be a consensus among educators, researchers and parents regarding the impact of legislation, case law and litigation on school disciplinary policies and procedures, there is national recognition that some secondary schools are experiencing unacceptably high levels of disruption. The magnitude of this problem appears to be greatest among those schools located in urban areas serving junior high populations.



OJJDP has sponsored demonstrations of a variety of innovative approaches designed to reduce school crime, to improve disciplinary policies and practices, to improve teacher and student safety, and to enhance academic achievement. Practitioners in the field have also identified a number of promising approaches that attempt to deal with problems of school crime, discipline and school environment. While there has been considerable attention to various aspects of disciplinary and crime control policies—e.g., the role of law enforcement in schools, appropriate strategies to respond to classroom disruption, improvement of the school environment to prevent delinquency—less attention has been given to the relationship between Federal and State legislation, case law and litigation, and development of comprehensive school disciplinary and crime control policies and procedures.

### III. Program Goal and Objectives

#### A. Program Goal

To test promising strategies for the development, implementation, and monitoring of disciplinary and crime control policies and procedures, which are intended to reduce school crime and disorder to provide for a safer school environment.

#### B. Major Objectives

1. To identify significant Federal and State legislation, case law, and litigation that are relevant to the development of disciplinary and crime control policies, procedures and practices in selected schools/school districts.
2. To develop clear, consistent discipline and crime control codes, based on analysis of legislation, case laws state regulations, and lawsuits.
3. To develop strategies to implement discipline and crime control codes.
4. To implement procedures that translate the codes into practice.
5. To document the planning and implementation of approaches to discipline and to school crime in order to identify the essential components of this process.
6. To measure the impact of strategy implementation on the reduction of disciplinary infractions and school crime.
7. To assess the strategies in terms of cost effectiveness and suitability for replication and institutionalization within school systems.

### IV. R&D Strategy

This Research and Development (R&D) model is designed to develop and

test the efficacy of improved disciplinary policies and procedures for the reduction of school crime and disorder in secondary schools. It calls for the development of policies and procedures based on a careful analysis of relevant legislation, case law and litigation against the schools. This program will consist of three separate R&D projects, which will be coordinated by OJJDP. This initiative requires a collaborative effort at each site among researchers, program planners, school administrators, faculty, and law enforcement personnel, as appropriate. This working group will be referred to as the "program team" throughout this solicitation.

The program team will first conduct a thorough assessment of the school crime and discipline problems, taking into account relevant legislation, case law, and previous lawsuits. This should include the identification of significant legislative provisions and case law that may promote or inhibit the development of effective policies and procedures for discipline and crime problems. It should also include an assessment of the perceived effects of previous lawsuits on discipline and crime control practices. The program team will generate a strategy for crime reduction and improvement of disciplinary policies and procedures in target school(s). The program team should develop clear policy statements and should communicate these policies to those responsible for implementation. Finally, implementation of disciplinary policies and practices should be monitored by school administrators and evaluated by the program team.

Under this initiative each program team will be required to conduct a review of existing discipline codes and establish revised school-wide disciplinary policies and procedures based on assessment of legislation, case law and lawsuits. These revisions should be characterized by clear stipulation of sanctions for disciplinary infractions, consistent and fair enforcement of rules, and differentiation between disciplinary violations and criminal acts; Local jurisdictions will be allowed considerable flexibility in determining which specific program strategies offer the greatest potential for improvement of disciplinary practices in their target schools. Examples of strategies for implementing revised policies which can be tested:

1. Involvement of students and parents in the development of disciplinary codes;
2. development of written guidelines and/or statements of understanding with police and courts;

3. development of in-service training for teachers and administrators on their legal rights and responsibilities related to discipline and crime control, including an emphasis on protecting themselves from lawsuits as appropriate;

4. improved communications procedures for day-to-day operations, delineation of respective roles and responsibilities, establishment of cooperative working relationships through written policies and procedures for working with law enforcement agencies and the courts;

5. training of teachers in techniques of effective classroom management and control of disruptive behavior;

6. improved school incident reporting procedures and utilization of crime analysis techniques.

All projects are required to utilize a systematic program development process in both the planning and implementation stages. This process provides a structure for identifying possible relationships between legislation, case law, and lawsuits and discipline and crime control strategies, assessing the nature and extent of discipline and crime problems, establishing clear measurable goals, designating measurable objectives, developing appropriate strategies and interventions, identifying potential obstacles and resources for program implementation, developing work plans, and establishing an on-going data collection and feedback system. It is expected that the assessment and planning process will require six to nine months. *Successful completion of the assessment, policy revisions and action plan will be a requirement for continued funding (by special condition).* The following outline is provided to serve as a conceptual framework for all members of the working team involved in the collaborative effort of the program development process. The ultimate aim of this collaboration is to generate a common focus and shared vision of what the program is being designed to accomplish.

#### A. Problem Statement

Clear articulation of the problem being addressed requires identification of the various relevant legislation, case law and data sources and utilization of this information to define the nature and extent of the problem.

#### B. Clear Goals

Researchers and program implementers focus their activities on the problem at hand by delineating measurable goals. Goal statements



describe what the organization is ultimately trying to achieve.

#### C. Theory

A theoretical framework must be developed which clearly outlines why the problem exists and provides guidance for project implementers' use in building their strategies.

#### D. Measurable Objectives

The statement of the project objectives must specify the time frame for achievement of these intermediary outcomes, the anticipated level of improvement, as well as the basis for measurement of change. Clearly delineated objectives provide the foundation for the evaluation design.

#### E. Strategies

Interventions and strategies are those selected activities designed to achieve an objective or set of objectives. For the purposes of this initiative, applicants will be allowed considerable local discretion in choosing to test a variety of strategies for policy implementation. The selection and development of strategies or interventions must be based on systematic analysis of crime and discipline problems and relevant laws and regulations.

#### F. Work Plans

Work plans are to be developed with specific strategies for implementation of project interventions. Fully articulated strategies include specification of two elements: critical bench marks and tasks. Critical bench marks are those key decisions, agreements, or actions necessary to progress with implementation of the plan. Failure to accomplish critical bench marks in a timely fashion will signal program planners to devise a new strategy. To effectively execute strategies, action planners should also specify time frames for task completion and individuals responsible. The action plan serves as a management tool and provides objective standards for achievement.

#### G. Evaluation

During the program development process, researchers and program managers work together to specify key research questions and develop a process and impact evaluation design. Data collection activities are jointly planned and carefully executed. Researchers provide timely interim feedback to program managers on: (1) progress toward executing program strategies as well as (2) success or failure in meeting measurable objectives.

The program development process begins with the initial conceptualization of the problem and continues throughout the duration of this program test. For the purpose of responding to this RFP, applicants must include all components listed in section V, "Application Requirements." The work plan included in the application will be considered preliminary and subject to continued development and refinement during the planning period to be scheduled for the first six to nine months following the grant award.

NIJJDP will encourage coordination among individual R&D projects in terms of developing and utilizing similar concepts and comparable "core" measures. With cross-site adoption of comparable measures, a substantial data base could be generated. This coordinated effort is expected to enhance the potential contribution of this research initiative to the state-of-the-art of developing safe school environments.

#### V. Eligibility Criteria

Eligible applicants include public or private research agencies or organizations. In order to implement this program design, it is required that a collaborative relationship exist between researchers, school administrators and justice system representatives, as appropriate. The intent of this initiative is to assess the effects of legislation, case law, regulations and lawsuits related to discipline and crime control; and to develop methods for establishing comprehensive, and consistent discipline and crime control codes, and to determine if the policy has been effectively implemented. School districts targeted for program change must be experiencing a high level of disciplinary or crime problems within the school. They should also have experienced several lawsuits or significant threats of lawsuits related to disciplinary actions in the past couple years. Research organizations will apply directly for grant awards and may choose to provide limited support through subcontracts to schools to cover on-site costs critical for program implementation. The primary cost of implementing the intervention strategies must be supported by available community and school system resources. This requirement is in keeping with the intent of this program to test cost effective program models which would be suitable for replication in other jurisdictions without external funding.

In order to maximize open competition in the award of this R&D grant, "for-profit" organizations are

eligible to apply, provided they certify compliance with the following two requirements:

(1) The OJJDP grant award will not be used to support the normal profit-making operations of the organization, but will serve to support or stimulate the legislatively authorized research and evaluation objectives of NIJJDP.

(2) For at least one year following the termination of this award, the recipient will not compete for or accept any procurement or assistance award supported by OJJDP funds which may have resulted or been derived from the original award.

#### VI. Minimum Program Application Requirements

Applicants must complete all parts of the application for Federal Assistance (Standard Form 424). Particular attention should be paid to the Budget Information, Part III, and Program Narrative, Part IV. In addition to the requirements set forth under the Program Narrative, the following information must be included in the application:

(1) A succinct statement of your understanding of the goal and objectives of the School Crime and Discipline R&D Program.

(2) A problem statement which clearly documents the nature and extent of school crime and disciplinary problems in the schools or school systems targeted for change. Identify the criteria utilized in school site selection and provide data to justify this selection. Document recent experiences with actual lawsuits or significant threats of lawsuits related to disciplinary actions.

(3) A description of those long-range measurable goals which your program is designed to reach. Specify how goals will be measured, when a substantial level of goal accomplishment is expected, and how progress in meeting goals can be attributed to program interventions.

(4) A review of the theoretical and empirical literature relevant to relationship of legislation and case law to discipline and crime control problems. Include a discussion of the theoretical framework developed to specifically guide the identification and assessment of problems identified at the targeted school system(s).

(5) A description of program objectives which specifies what measurable changes are expected, and when change is anticipated.

(6) A description of assessment and planning process.

(7) A work plan which describes time frames for accomplishing critical bench



marks and specifies responsibilities for tasks for the planning process. This work plan must provide a detailed description of the six to nine month planning period and a preliminary plan for implementation of program interventions, evaluation activities and for the development of research products. It should also include a plan for delivering training and technical assistance to local school administrators, faculty, and justice system personnel, as appropriate, to assist them in incorporating the program development process into their routine operations.

(8) A preliminary evaluation design which includes research questions, key concepts and variables, research methodology (including sampling procedures and measurement of key variables), and a plan for data analysis and feedback. Applicants must provide evidence that the most rigorous experimental design possible will be utilized in order to increase the strength of attributions of program impact. Applicants must address the issue of coordination with other research sites funded under this program investigating and developing comparable measures of similar concepts across schools.

A Privacy Certificate must be submitted with the application in accordance with funding agency regulations, copies of which are available upon request.

(9) Written verification from authorized officials of all parties involved in the R&D program team (e.g., school administrators, faculty, and justice system personnel) of commitment to collaborate in the program planning, implementation, data collection, and program refinement processes. Access to specific types of data (official school records, police arrest records, student and teacher interviews) must also be verified in writing.

(10) If it is determined to be necessary for the research organization grantee to provide financial support from the grant award to another organization to cover costs critical for program implementation, the application must include: a statement of work for the proposed contract; and the procedures to be followed for competitive selection or a justification for noncompetitive award for these support services.

(11) A detailed budget must be provided for the initial twelve months budget period including travel funds for coordination meetings with other program grantees (estimate costs for three two-day meetings to be hosted by various participating grantees), and any costs which might be required to serve

as a host site for one meeting. An annual estimate of costs to complete the R&D program must also be included.

(12) A description of the project management structure which includes proposed staffing plan, brief position descriptions which delineate roles and responsibilities, description of relevant staff experience and expertise, and resumes of key project staff (include as an appendix to the application). The project director must devote a minimum of fifty percent (50%) of his/her time to this effort.

(13) An organizational capability statement which describes relevant organizational experience and demonstrates that the applicant has the substantive and financial capability to effectively administer the project.

(14) The applicant must indicate a willingness to host an on-site visit by OJJDP staff and/or Peer Review Panel.

#### VII. Selection Procedures and Criteria

In general, all applications received in response to this solicitation will be reviewed in terms of the rigor and feasibility of the R&D design, and thoroughness regarding approaches to planning, implementation and evaluation problems. Applications will be technically evaluated by Department of Justice (DOJ) employees who are qualified by training and experience and by a peer review panel (a group of experts other than officers and employees of the DOJ). Site visits may be conducted by peer review panel and/or OJJDP staff to verify information provided by those applicants ranked as best qualified for further consideration.

Specifically, applications will be rated according to the following criteria and weights:

- |  |    |
|--|----|
| (1) The problem to be addressed is clearly stated including evidence of knowledge of related literature and justification for site selection (refer to Section V (3) and (4)).....   | 15 |
| (2) An understanding of the goal and objectives of this research and development program is clearly articulated, including a description of the goals and objectives of the proposed research (refer to Sections V (3), (4), (5) and (8)).....                                       | 20 |
| (3) The research and development design and methodology is sound and contains program elements directly linked to the achievement of project objectives including written verification of commitment to collaborate and accessibility of data (refer to Sections V (8) and (9))..... | 20 |
| (4) The project management structure is adequate to the successful conduct of the project (refer to Sections V(12)).....   | 10 |

- |  |    |
|--|----|
| (5) Organizational capability is demonstrated at a level sufficient to successfully support the project (refer to Section V(14)).....                              | 10 |
| (6) Budget costs are reasonable, complete and appropriate in comparison to the activities proposed to be undertaken (refer to Sections V (11), (12) and (10))..... | 10 |
| (7) The workplan is adequate, clear and feasible and will support the development of useful products (refer to Section V(7)).....                                  | 15 |

In order to examine variations in state level impact on school crime and discipline only one site will be funded in a given state.

Applications receiving the highest total score on the above criteria will be recommended for funding to the Administrator, OJJDP. Peer review recommendations in conjunction with the results of internal review and any necessary supplementary review will assist the Administrator's consideration of competing applications and selection of applications for funding. The final award decision will be made by the OJJDP Administrator.

#### VIII. Submission Requirements

All applicants responding to this solicitation should be aware of the following requirements for submission:

- Applicants which plan to respond to this announcement are requested to submit written notification of their intent to apply to NIJJDP/OJJDP by October 21, 1985. Such notification should specify: the name of the applicant organization, mailing address, telephone number, and primary contact person. This notification should be forwarded to Deborah Wysinger, NIJJDP/OJJDP, U.S. Department of Justice, 633 Indiana Ave., N.W., Washington, D.C. 20531.
- Applicants must submit the original signed application and three copies to NIJJDP/OJJDP. The necessary forms for applications (Standard Form 424) will be provided upon request.
- The NIJJDP/OJJDP will notify applicants in writing of the receipt of their application. Subsequently, applicants will be notified by letter as to the decision made regarding whether or not their submission will be recommended for funding. It is anticipated that the grant may be awarded as early as April, 1986.
- Applications must be received by mail or hand delivered to the NIJJDP/OJJDP by 5:00 p.m. e.s.t. on December 6, 1985. Those applications sent by mail should be addressed to Deborah Wysinger, NIJJDP/OJJDP, U.S.



Department of Justice, 633 Indiana Avenue, N.W., Washington, D.C. 20531. Hand delivered applications must be taken to the NIJDP/OJJDP, Room 784, 633 Indiana Avenue, N.W., Washington, D.C. between the hours of 8:00 and 5:30 p.m. except Saturdays, Sundays or federal holidays.

#### IX. Civil Rights Compliance

A. All recipients of OJJDP assistance must comply with the non-discrimination requirements of the Juvenile Justice and Delinquency Prevention Act of 1974 as amended; Title VI of the Civil Rights Act of 1964; Section 504 of the Rehabilitation Act of 1973 as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975; and the Department of Justice Non-Discrimination Regulations (28 CFR Part 42, Subparts C, D, E, and G).

B. In the event a Federal or State court of Federal or State administrative agency makes a finding of discrimination after a due process hearing on the grounds of race, color, religion, national origin or sex against a recipient of funds, the recipient will forward a copy of the finding to the Office of Civil Rights Compliance (CRC) of the Office of Justice Programs.

C. Applicants shall maintain such records and submit to the OJJDP upon request timely, complete and accurate data establishing the fact that no person or persons will be or have been denied or prohibited from participation in, benefits of, or denied or prohibited from obtaining employment in connection with any program activity funded in whole or in part with funds made available under this program because of their race, national origin, sex, religion,

handicap or age. In the case of any program under which a primary recipient of Federal funds extends financial assistance to any other recipient or contracts with any other persons(s) or groups(s), such other recipient, persons(s) or groups(s) shall also submit such compliance reports to the primary recipient as may be necessary to enable the primary recipient to assure its civil rights compliance obligations under any grant award.

#### X. References

(See appendices A & B.)

Alfred S. Regnery,

Administrator, Office of Juvenile Justice and Delinquency Prevention.

#### Appendix A

##### Notes

1. E.g., *Goss v. Lopez*, 419 U.S. 565 (1975) (school disciplinary procedures); *Tinker v. Des Moines Indep. Community School District*, 393 U.S. 503 (1969) (School discipline-free speech); Education of All Handicapped Children Act, 20 U.S.C. 1401.1461 (1976); Rehabilitation Act of 1973, 29 U.S.C. SS 701-794 (1976).
2. E.g., Ind. Code .20-8.1-5-1 to -17 (1982).
3. See S. Wasby, the Impact of the United States Supreme Court 231-32 (1970).
4. Indiana Due Process and Pupil Discipline Code, Ind. Code .20-8.1-5-8, -10 (1982).
5. National School Safety Center News Journal, Spring 1985, New Jersey v. T.L.O., The Lay of the Law, Diane Mahoney, (p. 31).
6. See e.g., *Wood v. Strickland*, 420 U.S. 308 (1975).

#### Appendix B

##### References

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