

Coding Hazardous Tree Failures for a Data Management System

Lee A. Paine



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Codes for automatic data processing (ADP) are provided for hazardous tree failure data submitted on Report of Tree Failure forms. Definitions of data items and suggestions for interpreting ambiguously worded reports are also included. The manual is intended to insure the production of accurate and consistent punched ADP cards which are used in transfer of the data to magnetic tapes. The codes and card format specified are compatible with the computer processing and analysis programs provided in a user's guide, General Technical Report PSW-24. The guide covers use of the codes to specify the desired categories and ranges of data (species, diameters, organization, areas, times, conditions, etc.) to be included in analyses.

Retrieval Terms: hazard trees; hazard reduction; recreation areas; urban forestry; safety standards; data management; computer programs; coding.

The Author

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Acknowledgment

A manual such as this necessarily embodies many suggestions and modifications by the originators and users. I am grateful to the forestry, biology and statistical aids, both graduate and undergraduate students at local universities, who have made the coding manual easier to use by discovering inconsistencies and ambiguities. Their work has improved the data coding process and, in the end, the reliability of data analyses. In particular, I thank Richard D. Boothe, who was largely responsible for the forest type code condensation and descriptions.

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ADDENDA

The following items should be inserted in the manual on the indicated pages.

Page 7, just above H. Property or Person Directly Affected, insert:

City parks-Code as site category 1.

Page, 15 after 76A BASSWOOD, WHITE insert:

512 BAY, CALIFORNIA UMBELLULARIA CALIFORNICA

Page 16, after 767 DOGWOOD, RED-OSIER insert:

728 DOMBEYA DOMBEYA SPP.

Page 19, after 743 SUMAC, STAGHORN insert:

567 SWEET BAY LAURUS NOBILIS

Page 21, after 813 SHIN OAK insert:

830 OVERCUP Q. LYRATA SE (W)

830 SWAMP POST Q. LYRATA SE (W)

830 SWAMP WHITE Q. LYRATA SE (W)

Page 21, after 816 WILLOW insert:

830 WATER WHITE Q. LYRATA SE (W)

Page 56, under CORPS OF ENGINEERS, indented under LITTLE ROCK DISTRICT insert:

MILLWOOD RES 42305 01

Page 57, after COE (HENRY W.) ST PARK insert *, and at bottom of page add:

* COLONEL ALLENSWORTH SHP 52530 00

Page 62, after MALIBU CREEK SP insert:

COLONEL ALLENSWORTH SHP 52530 00

Page 64, after ZIBE DIMMICK STATE PARK insert:

TRYON CREEK 52150 00

Page 68, after SPENCER SPIT insert: SADDLEBAG

ISL 52367 00

Page 106, next to number 728 insert:

DOMBEYA DOMBEYA SPP.

Page 108, next to number 830 insert:

OVERCUP Q. LYRATA SE (W)

Coding Hazardous Tree Failures for a Data Management System

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This manual is a tool for establishing files in the data management system for hazard control described in a separate user's guide¹. Information supplied on the "Report of Tree Failure" (fig. 1) must be interpreted and coded so that accurate data processing cards may be produced in a format compatible with the programs used for computer processing and analysis. These programs are available on request, as indicated in the user's guide.

After cards are punched, they are put in sequential order for screening by the ERROR CHECK program

(see the user's guide). For most uses, the verified data are then transferred to computer tapes. From these, analyses in tabular form may be obtained through the FAILURE program, or selected cards or limited-data tapes may be re-created from the master tapes. In all phases of the data management system, accurate coding, transcription, and card-punching are essential; errors may interfere with proper operation of the computer programs or produce misleading results in analyses.

GUIDELINES FOR CODING

A first step in preparing for the coding process is to gather together useful references to supplement the coding manual itself. Such references include maps showing county, agency, and city boundaries and recreation site locations; silvics references with species distribution maps; dendrology manuals; check lists for technical nomenclature and for common and local names; references describing the flora of specific

areas; and "blue books" with prices of new and used items including automobiles and recreation vehicles.

For automatic data processing (ADP), each valid report of tree failure is first coded on the report form itself, following codes given in this manual. Then the information on the report is punched on ADP cards, as described under "Format for ADP Cards." Codes are needed for most items on the report, and for a few additional items not indicated on the report form itself. Codes for these additional items are determined as explained under "Coding Specific Items."

The report form shown in figure 1 (modified to include labeled spaces for coding) has the advantage of eliminating a step in preparation of the punched cards—the transcription of codes to a worksheet. A

¹ Paine, Lee A., and James W. Clarke, 1978. *Tree failures and accidents in recreation areas: A guide to data management for hazard control*. Gen. Tech. Rep. PSW-24, 30 p., illus. Pacific Southwest Forest and Range Exp. Stn., Forest Serv., U.S. Dep. Agric., Berkeley, Calif.

17 Number:

REPORT OF TREE FAILURE ⁽¹⁾ (Mechanical break, collapse, or uprooting)

18 Card: 1
2

19 REPORTING AGENCY: _____ UNIT _____

(A) Tree and stand

20 Species: _____
21 Approximate dbh of tree: _____ inches
22 Approximate age of tree: _____ years
23 Forest type: _____
24 Stand age class: ☐ Overmature
☐ Mature
☐ Young-growth
☐ All age
25 Elevation of site: _____

(B) Class of mechanical failure

26 ☐ Upper bole (top half)
27 ☐ Lower bole
28 ☐ Butt (lower 6 feet)
29 ☐ Limb
30 ☐ Root, including uprooting

(C) Tree defect or fault leading to failure ⁽²⁾

31 ☐ Knot (trunk, limb, or root)
32 ☐ Sweep
33 ☐ Tree dead - snag
34 ☐ Fire wound
35 ☐ Leaning
36 ☐ Lightning wound
37 ☐ Mechanical wound
38 ☐ Cracks or splits
39 ☐ Fork or multiple top
40 ☐ Twin hole or basal fork
41 ☐ Dead top or branch
42 ☐ Widow-maker or hang-up
43 ☐ Canker, rust
44 ☐ Canker, mistletoe
45 ☐ Other: _____
46 ☐ Unknown or none

(D) Contributing factors

47 ☐ Wind ☐ Stream bank erosion
48 ☐ Snow ☐ Shallow rooting
49 ☐ Erosion ☐ Tree striking tree
50 ☐ Soil saturation ☐ Other: _____
51 ☐ Unknown or none

52 (E) Name of site: ⁽³⁾ _____

53 Comments: _____

(F) Time and location of incident

54 Approximate hour: _____
55 Month, year: _____
56 County: _____
57 State: _____
58 Site open for public use: Yes ☐ No ☐

(G) Land ownership

59 ☐ Federal
60 ☐ State
61 ☐ Other public:
62 ☐ Private
63 ☐ Public utility

(H) Site category

64 ☐ Established camp or picnic ground
65 ☐ Other established public use site ⁽²⁾
66 ☐ Volunteer site ⁽²⁾
67 ☐ Marked trail
68 ☐ Special use site ⁽³⁾
69 ☐ Roadside
70 ☐ Residence site ⁽³⁾
71 ☐ Other: ⁽³⁾
72 ☐ Urban

(I) Property or person directly affected

73 ☐ Agency
74 ☐ Recreationist
75 ☐ Forest industry
76 ☐ Permittee/Concessionaire
77 ☐ Other: _____
78 ☐ Contractor
79 ☐ Public utility

(J) Consequences

80 ☐ Clean up work required
81 ☐ Property damaged
82 ☐ Property loss estimate \$ _____
83 ☐ Injuries (Do not give tree values)
84 ☐ Medical attention required
85 ☐ Fatalities

Only failures of a size capable of inflicting some damage or injury should be reported. Minor limb failures should not be reported unless they were potentially dangerous. Do not report simple death of a tree or part of a tree unless it resulted in ecological damage. Trees removed prior to failure should not be reported.

- ① A report should be made for:
 - (1) each tree failure involving property damage or bodily injury;
 - (2) each failure adjacent to permanent recreation facilities, home sites, or other locations where failures are a threat to property, and;
 - (3) each failure on recreation sites and other high use locations during the season of public use, whether or not the failure causes damage or injury.
- ② Check only those defects and contributing factors which lead to the actual failure.
- ③ Other established public use site: Winter sports, beaches, viewpoints, visitor centers, historical buildings, etc.
- ④ Volunteer site: Undeveloped site with concentrated public use.
- ⑤ Special use site: Resorts, service facilities, etc.
- ⑥ Residence site: Agency, private, or permittee-lessor.
- ⑦ Other: Wilderness area sites, open forest, etc.
- ⑧ Published analyses will not indicate the source of specific incidents.

If many failures occur in your area, reports may be limited to managed sites normally subject to inspection and hazard control. Where information is available, however, reports from volunteer and other noninspected sites will be of value.

NOTE: A SEPARATE FORM SHOULD BE COMPLETED FOR EACH INDIVIDUAL FAILURE. Inclusion of more than one failure on a report prevents correlation of data unless all details are identical.

Additional forms may be obtained from your headquarters or by writing to the following address:

Return to: Lee A. Paine
U.S.D.A. Forest Service
P.O. Box 245
Berkeley, California 94701

Commercial Phone: (415) 486-3158
FTS Phone: 449-3158

Figure 1—For data management, reports of tree failures and accidents are submitted on a form patterned after the U.S. Forest Service Form PSW-4600-3. As shown here, the arrangement of the original form has been modified to indicate the ADP card location of codes for each item. Labeling of the spaces (see "Format for ADP Cards") shows the card number (1 or 2) at left, followed by the column numbers of the appropriate field. Use of this modified form eliminates a step in the process of ADP card preparation: cards are punched directly from the report form rather than from codes transcribed to a worksheet. (Note: For convenient duplication, master copies of the form are provided at the end of this report.)

saving in time required for the coding and punching process results, but accuracy may be reduced somewhat if the transcriber would otherwise recheck the coding. The ERROR CHECK program will detect many coding mistakes in the punched cards.

Problems in Interpreting Reports

Every effort should be made to obtain complete and accurate information for all entries on the Report of Tree Failure before coding is started. This may require additional communication with the office or individual responsible for the report, or judicious reference to earlier reports from the same site or area. It is essential to check the comments on any attached letters to see if they agree with information given in the report itself. The genus (and species), the DBH (tree diameter at breast height), and the class of failure are especially important. If any of these items is unobtainable, the report loses much of its value and may not be worth coding. A report covering a serious accident is an exception—available data, even if incomplete, should be coded.

In general, the coding sequence should follow the order of items on the Report of Tree Failure (*fig. 1*). The code lists in this manual are arranged for convenient use. The long lists—species, forest type, agency, and state and county—are given in separate sections in the sequence in which they occur on the report. The shorter code lists for all other lettered items on the report are given in the opening section titled "Codes for Failure Report—Outline." Reference to these short lists is not often required, because most of these codes are either reported numerically (such as approximate DBH, or follow a sequential pattern determined by the number of entries for the item. (Thus, under item B, class of mechanical failure, an entry for upper bole is coded as 1, for lower bole as 2, and so on.)

Two departures from the general arrangement have been made for convenience in use of the manual. The list titled "Tree Species Codes—Numeric" is used in assigning codes to new species and to avoid assignment of the same code to more than one species. It is placed at the end of the manual so that it will not be confused with the more frequently used list, "Tree Species Codes—Alphabetic." The "Target Value Guide" is used in coding most accidents, and is therefore placed near the front of the manual.

Note that the lists given in this manual are not complete in the absolute sense. Generally, they represent only the species, sites, etc., for which data have been received in the past. Provision for expansion is

evident in some lists (ex.: species); in others, new, unlisted code numbers should be established by analogy with related listed codes.

In assigning codes to information given in reports, be a bit skeptical. Most reporting errors arise from misunderstandings. You will soon become familiar with common misinterpretations, and will learn to reconstruct the reports in terms of usable information.

Any changes on the report form from the way it was submitted should be marked in red (and initialed), with the original lined out. That will make it clear that the change was intentional and was made by the coder.

The following notes are referenced to the Report of Tree Failure.

Validity of Failure

Inspect each failure report first to insure that it represents a true mechanical failure (not a tree mortality without failure, or hazard control work prior to failure).

Reports of dead or dying trees which apparently do not represent actual mechanical failures should not be coded unless the failures can be verified by a followup to the originator. Indications that the report may not represent a true failure include:

- No class of failure reported
- Tree dead (snag) reported under defect or fault
- No contributing factors noted
- Notes in the comments section: for example, "14 trees died from spring floods," or "many trees dead or dying; will be removed before recreation season."

Multiple Reports

Although directions on the form request that only one tree failure per form be reported, "multiple" reports are occasionally received—that is, a number of failures are recorded on a single form. Such reports frequently represent a catastrophe.

For a multiple report, try to code each tree accurately for punching as a separate report. The simplest procedure is to fill out and number an additional blank form for each tree failure coded. If data are insufficient to code all trees individually, and additional information cannot be obtained from the originator, fill out only as many forms as there are individual failures justified by reliable data. On each form, for the coding item "number of trees," enter the sum of 1 (for the failure coded) plus a proportional share of the number of failures not coded. The total "number of trees" coded from a multiple report will thus include the individually coded failures plus associated uncoded failures.

Unknown or Unreported Data

Missing information decreases the value of a report for analysis. Do your best to reconstruct each item of information on the report form before coding it as unknown. If an item is properly reported as unknown, or not reported at all, code it using 9's. (Ex.: if age is left blank on the report, code as 999.)

There is one exception: in item C, tree defect or fault, the code for "unknown" is 16. "Unknown" classification (9's) is not "permissible" for certain items. This means that the item will be identified as illegal in the ERROR CHECK program if it is coded as unknown. If no other code can be entered, decide whether the report should be included in the data file or discarded because it is incomplete. Items on the report for which "unknown" is not normally permissible include the following:

Reporting Agency: If the lowest administrative level for the reporting agency is not given and cannot be traced, do not use 9's. Instead, code the report as though it had come from the next higher level of that agency. (Ex.: for a report from the Tonto National Forest in Arizona giving no Ranger District, code the agency as Tonto NF, or 01307 00. If, however, it is apparent from the campground name and the county that the report is actually from the Pleasant Valley Ranger District, write in the full code, which is 01307 05.)

- A. Under *tree and stand*: Species, approximate DBH of tree
- B. *Class of mechanical failure*
- E. Under *time and location of incident*: Site open; Year; State and county
- G. Site category
- H. *Property or person affected*
- I. *Consequences* (Exception: "Cleanup work required" is always coded 9 for a failure without accident.)

Certain other items not provided for on the report but requiring coding should not normally be coded as unknown:

Estimated value of property involved in accident.

Total value for property and individuals in accident.

If no accident is involved, these items are not coded.

Dimensions Exceeding Field Size

For certain data items shown as dimensions (age, DBH, loss estimate, etc.), values reported may exceed the number of digits allowed (see "Format for ADP Cards"). For these, use the appropriate number of 9's followed by an 8. (Ex.: for a report on a 2,000-year-old redwood, code the age as 998, even though the true age exceeds the allowed three digits. Do not code as 999,

which would indicate an unknown value. In this procedure, be sure to copy the true figure—here "2,000 years old"—into the comments section for punching on the ADP card.)

Coding Specific Items

Certain items present difficulties in coding. These suggestions may be helpful. The items on the report form are discussed under the major headings on the form itself. Additional items that must be coded (Failure Category, Estimated Property Value, Total Value, and Number of Trees) are also discussed.

Reporting Agency and Unit

Reports by an agency of failures which occurred on private land or on land of another agency usually should indicate the actual land ownership (ex.: "Private" or "Kale County Park"). Exceptions occur when the reporting agency has assumed some administrative or legal responsibility for the site, including inspection or maintenance, and could be held liable for damages (ex.: State and Private Forestry, U.S. Forest Service). The reporting agency should then be coded, to permit retrieval and analysis of all pertinent data by the managing agency. The actual category of ownership is coded under item F, Land Ownership (see below).

A. Tree and Stand

Species—Coding the tree species is often a source of trouble, largely because there may be many common names for a single species, and because ranges overlap among similar species. Experience simplifies this task. A number of reference books provide common names, genus and species, and natural ranges for trees native to the United States. Although codes allow for broader classifications, try to determine the species of the failing tree or, at the very least, the genus. If the genus is given, but not species, the tree may be coded as an unidentified species for that genus. (Ex.: if the report shows pine, and the species cannot be determined, code it as "pine, unidentified": 010). If the genus cannot be determined and the tree cannot even be classified as either softwood or hardwood, do not code the report.

DBH—For diameter at breast height, be sure that the figure is coded in inches rather than feet or meters. (Ex.: if DBH is given as 3 and age as 175 years, 3 feet may usually be assumed to be intended, rather than 3 inches. Code as 36 inches.)

Age—When age is not reported, code as 999.

Forest type—The codes provided here cover broad groupings of forest types. Many agencies have their own systems of forest types, which can be interpreted in terms of our classification. For example, types are often given initials denoting economically important species, such as DF (Douglas-fir). Again, the "type" may be denoted by timber grade, such as grade B sawtimber. Assignment of our type codes should be determined according to (1) species of tree, (2) associated species, (3) location, (4) past reports from the same location, and (5) the type specifications given under "Forest Type Descriptions."

Stand age class—General rule of thumb: if a report does not show all-age, but does show two or more other age classes, code as the oldest age class shown; if all-age is shown as well as young, mature, or overmature, code as all-age.

Elevation—Elevation is occasionally reported in meters above sea level; this value must be converted to feet before coding. Check other sources for elevation if in doubt. (1 meter = 3.28 feet.) Note, however, that the abbreviation msl stands for mean sea level and does not specify the unit of measurement.

B. Class of Failure

The reported class of mechanical failure should be taken at face value unless there is reason to believe that the reporter misunderstands the breakdown of classes (as when a note in the comments indicates a class of failure other than that reported). Occasionally more than one class of failure is checked on a single failure report. Since only one can be coded, choose whichever is listed first in the following sequence: uprooting, butt, lower bole, upper bole.

C. and D. Tree Defect and Contributing Factors

Predisposing defects and contributing factors checked on the form should not be accepted when it is clear that they were not directly and immediately involved in the mechanical failure of the tree.

Occasionally, the defects or factors checked contributed to earlier damage or decadence of some part of the tree, but not immediately to the reported failure. Insects, for example, may kill a tree, but are seldom the proximal cause of failure. Deterioration and decay more commonly cause the critical loss of strength and stability. Involvement of related but more remote factors, such as insect kill, may be written into the Comments and underlined or punched on the ADP card.

Reports are sometimes submitted with information in defects (C) or contributing factors (D) which apparently conflicts with the failure class that was reported. (Ex.: a limb failure may be reported as associated with

soil saturation. Soil saturation would normally contribute only to uprooting of the tree. Similarly, a butt failure would not be caused by a dead top.) If such conflicts appear to result from misinterpretation, assume that the failure class is correct, delete the conflicting defect or contributing factor as nonresponsive, and code as unknown, unless other appropriate defects or contributing factors are indicated.

Potentially conflicting associations of defects and contributing factors are identified by the ERROR CHECK program, as follows:

<i>Class of failure</i>	<i>Defects</i>	<i>Contributing factors</i>
Upper bole	Twin bole or basal fork	Erosion Soil saturation Stream bank erosion Shallow rooting
Lower bole	Fork or multiple top Dead top or branch	Erosion Soil saturation Stream bank erosion Shallow rooting
Butt	Fork or multiple top Dead top or branch	Erosion Soil saturation Stream bank erosion Shallow rooting
Limb	Sweep Lean Twin bole or basal fork	Erosion Soil saturation Stream bank erosion Shallow rooting
Uprooting	Fork or multiple top Twin bole or basal fork Dead top or branch Canker, rust Canker, mistletoe	

Tree-striking-tree failures present special problems. In this type of failure, a tree fails and strikes a second tree as it falls (or, more rarely, several trees), causing the failure of the second tree. Only the tree which was hit is coded with tree-striking-tree (7) as a contributing factor. The report number of the first tree, which did the striking, should be included in the comments field of the report for the second tree. If wind is also given as a contributing factor for the second tree (the tree which was struck), it should be accepted only if the class of failure was lower bole, butt, or uprooting.

When two trees are involved in an accident through one tree striking another, the accident and the full amount of damage are attributed to the first failing tree.

"Unknown" should be accepted only if no other defect (or contributing factor) is checked. (Ex.: a re-

porter may check both "wind" and "unknown" as contributing factors. Because wind is reported as contributing to the failure, "unknown" should be deleted, and "wind" should be coded.)

E. Time and Location

Approximate hour—If approximate hour is reported as midnight, code as 24.

Month and year—Month and year are often given in vague terms, such as "winter 1970." Make an estimate (0170), if justified, or code the month as "unknown" (9970).

Site open—If "site open for public use" is reported negative, accept it as correct unless there is some clear indication that the site was indeed being utilized.

F. Land Ownership

Telephone and power line rights-of-way are coded as public utilities.

G. Site Category

Be sure that sites are correctly described.

Other established public use site—Includes parking lots.

Special use site—Includes a ski lift belonging to a permittee-concessionaire.

If "other" is checked but description shows that the site belongs in a specific category, correct the report. (Ex.: report shows "Ranger's house" or "Fern Grove Trail." Change the entry and code it as "residence site" or "marked trail.")

H. Property or Person Directly Affected

Agency—Code as "agency" if there were no significant consequences resulting from the failure, or if consequences were damage to agency property. This does not include property owned by recreationists or profit-oriented installations.

Recreationist—Property or person affected is sometimes listed on a failure report as "recreationist" despite the fact that no recreationist was directly affected. Unless there was some injury or loss to a recreationist, the person affected is not "recreationist."

Code as "recreationist" if damaged property was owned by individuals and not used for income production (ex.: summer cabins on a Forest Service summer home tract). All injuries or fatalities are coded as recreationist losses regardless of incidental damage to agency or commercial property.

Some accidents involve both agency and recreationist property loss. Such losses are coded "recreationist" unless the agency sustains 80 percent or more

of the total damage. (Ex.: if a tree falls and destroys an agency cabin for a \$2,500 loss and a recreationist's car for a \$500 loss, the loss is coded as "agency" because the agency has sustained 83 percent of the \$3,000 loss. However, if a tree falls causing a \$1,000 nonrecreationist loss, and a \$500 recreationist loss, the total \$1,500 loss is coded as a recreationist loss. Even though the recreationist sustained only 33 percent of the loss, the agency sustained less than the 80 percent guideline.)

Permittee-Concessionaire—Code as "permittee-concessionaire" when, for example, a tree falls and hits a gas station, a gift shop in a park, or a ski lift. These would not be recreationist losses unless a recreationist were directly involved with property loss or injury.

I. Consequences

Cleanup work required—The option to check this term was included on the report form to insure that only failures of appropriate size would be reported when no damage or injury occurred. If damage or injury *are* reported, code this item as 0, whether or not cleanup work is reported. Otherwise, code it as 9. Note again that if 9 is used (that is, no damage or injury), "recreationist" cannot be coded as the person affected under item H.

Property damaged—For the description of property damaged enter a brief (five letter) noun or abbreviation describing the object damaged. If no information is given about the type of damaged property, enter XXXXX to indicate that the description was not overlooked by the encoder.

Property loss—Whenever property damage is incurred, a good estimate of the loss must be assigned if not reported. If property cannot be identified, assign a minimal loss of \$10 providing that property was obviously damaged and that no further information is available.

Medical attention—When medical attention is required, it must also be coded as an injury. The converse is not necessarily true (a reported injury does not necessarily require medical attention).

Property Value and Total Value

These two items are not shown on the Failure Report. Value of the property must be estimated from the best available sources and entered on the report form (see Target Value Guide). The assigned property value should not exceed the maximum expected loss which could result from an uprooted 70-inch softwood falling on the reported target. A second entry, total value, is the sum of the property value and the amounts shown

for any injuries requiring medical attention or resulting in fatalities, as given in the Target Value Guide.

Failure Category

This item is not shown on the Failure Report.

Normal (forest, single)—The term applies to a single failure occurring on managed or occupied sites in a forested or wooded (nonurban) environment.

Catastrophe—These failures may occur on forest or urban sites.

1. Minimum number of failures is 16.

2. All failures occur at one location at the same time. Usually reports show same agency (Region, Forest, and District), hour ($\pm$ 3 hours for failure due to wind), month, year, state, and county.

3. Failures usually involve wind, tree-striking-tree, or both. Rain or snow may be contributing factors.

In general, use discretion in identifying groups of failures as catastrophes.

Urban—The term applies to a single failure occurring on a site assigned to day use by urban populations. The significant characteristics are more intensive management of the site and heavy utilization. Urban sites may include city parks, regional parks, street parkways, some county parks and many historical sites. Usually an urban site is considered a "landscape" type, but regional and county parks may be ecologically defined forest types.

Number of Trees

This item is not shown on the Failure Report. A single failure is counted as 1. On a multiple report, however, other failures may be indicated which cannot be coded individually. The number of associated un-

coded failures plus one is entered as "number of trees."

J. Name of Site and Comments

Underline for coding significant information not otherwise coded on the report, up to a maximum of 35 characters (letters, numbers, and spaces). The name of the specific site is especially useful. Comments on targets, wind conditions, tree age, etc., may be added. Make liberal use of abbreviations, but be sure they are clear (ex.: CG for campground).

Format for ADP Cards

The ADP card used for the data management system has the standard 80 columns. One failure report requires two data cards; certain items are entered on both cards for convenience.

Card punching may be done directly from the report form if the modified version shown in *figure 1* is used. Otherwise, data from the form are transcribed to an 80-column worksheet, using the card format. In this procedure, to help maintain punching accuracy, a set of two worksheets is used, one for each of the two cards needed for each failure report.

On the data worksheets and cards, a "field" of one or more columns is set aside for each piece of information on the report form. The number of columns in a field varies according to the length of the code established for that information. The resulting fixed assignment of fields on the cards is the "card format."

ADP Card 1 Format

<u>Columns</u>	<u>Content</u>
1-5	Accession number
6	Data card number (enter 1)
7-9	Species of failing tree; 999 not permissible
11-12	Approximate DBH of tree; 99 not permissible
14-16	Approximate age of tree
18-19	Forest type
21	Stand age class
23-25	Elevation of site (divide by 100)
27	Class of mechanical failure; 9 not permissible
29-30	Defect or fault (lowest applicable code number)
32-33	Defect or fault (next higher applicable code number, if any)
35-36	Defect or fault (next higher applicable code number, if any)
38	Contributing factor (lowest applicable code number)
40	Contributing factor (next higher applicable code number, if any)
42	Contributing factor (next higher applicable code number, if any)
44-45	Agency
46	Region
47-48	Forest or Park
50-51	District
52	Subunit designation when needed
53-54	Approximate hour (24-hour clock; midnight = 24 hours); do not use 00.
56-57	Month
58-59	Year; 99 not permissible
61-62	State; 99 not permissible
63-65	County; 999 not permissible
67	Site open for public use (yes 1, no 2); 9 not permissible
69	Land ownership
71	Site category; 9 not permissible
73	Property or person directly affected; 9 not permissible
75	Property damaged (1 or 0); 9 not permissible
77	Injuries (number of injuries or 0); 9 not permissible
79	Fatalities (number of fatalities or 0); 9 not permissible
80	Cleanup work required (9 or 0)

ADP Card 2 Format

<u>Columns</u>	<u>Content</u>
1-5	Accession number (same as on card 1)
6	Data card number (enter 2)
7	Property damaged (1 or 0)
9-13	Description of property damaged (use five X's if no description given)
14-18	Property loss estimate (if there is damage, a dollar estimate must be supplied)
20	Injuries (number of injuries or 0)
22	Medical attention required (number attended or 0)
24	Fatalities (number of fatalities or 0)
26	Failure category (normal=0, catastrophe=1, urban=2)
27-31	Estimated property value (use target value guide for accident); 99999 not permissible
32	Not currently in use; zero will print out on data listing
33-38	Total value (property+injury+fatality if accident); blank or max. 999998
40-42	Number of trees (1 plus any other trees not shown in coded data, but which failed at same time)
44-78	Comments (site name and other useful data or "no comments")
80	Cleanup work required = 9; if accident, enter 0; all recorded reports should be coded either 9 or 0

CODES FOR FAILURE REPORT - OUTLINE

SPECIES	SEE TREE SPECIES CODES - ALPHABETIC	
APPROXIMATE DBH OF TREE	01-98 (98 IF OVER 98 INCHES. 99 IS NOT PERMISSIBLE)	
APPROXIMATE AGE OF TREE	001-998 (998 IF OVER 998 YEARS. 999 IF UNKNOWN)	
FOREST TYPE	SEE FOREST TYPE CODES	1
		2
STAND AGE CLASS	OVERMATURE	3
STAND AGE CLASS	MATURE	4
STAND AGE CLASS	YOUNG-GROWTH	9
STAND AGE CLASS	ALL-AGE	
STAND AGE CLASS	UNKNOWN	
ELEVATION OF SITE	(DIVIDE ELEVATION BY 100.1 UNKNOWN - 999).	001-998
CLASS OF FAILURE	UPPER BOLE (TOP HALF)	1
CLASS OF FAILURE	LOWER BOLE	2
CLASS OF FAILURE	BUTT (LOWER SIX FEET)	3
CLASS OF FAILURE	LIMB	4
CLASS OF FAILURE	ROOT (INCLUDING UPROOTING)	5
CLASS OF FAILURE	UNKNOWN (NOT PERMISSIBLE)	
DEFECT OR FAULT	ROT (TRUNK, LIMB, OR ROOT)	01
DEFECT OR FAULT	SWEEP	02
DEFECT OR FAULT	TREE DEAD-SNAG	03
DEFECT OR FAULT	FIRE WOUND	04
DEFECT OR FAULT	LEANING	05
DEFECT OR FAULT	LIGHTNING WOUND	06
DEFECT OR FAULT	MECHANICAL WOUND	07
DEFECT OR FAULT	CRACKS OR SPLITS	08
DEFECT OR FAULT	FORK OR MULTIPLE TOP	09
DEFECT OR FAULT	TWIN BOLE OR BASAL FORK	10
DEFECT OR FAULT	DEAD TOP OR BRANCH	11
DEFECT OR FAULT	WIDOW-MAKER OR HANG-UP	12
DEFECT OR FAULT	CANKER, RUST	13
DEFECT OR FAULT	CANKER, MISTLETOE	14
DEFECT OR FAULT	OTHER	15
DEFECT OR FAULT	UNKNOWN OR NONE	16
CONTRIB FACTORS	WIND	1
CONTRIB FACTORS	SNOW	2
CONTRIB FACTORS	EROSION	3
CONTRIB FACTORS	SOIL SATURATION	4
CONTRIB FACTORS	STREAM BANK EROSION	5
CONTRIB FACTORS	SHALLOW ROOTING	6
CONTRIB FACTORS	TREE STRIKING TREE	7
CONTRIB FACTORS	OTHER	8
CONTRIB FACTORS	UNKNOWN OR NONE	9
AGENCY AND UNIT	SEE AGENCY CODES	
APPROXIMATE HOUR	(99 IF UNKNOWN)	01-24
MONTH	(99 IF UNKNOWN)	01-12
YEAR	(LAST TWO DIGITS?)	60-98
STATE	SEE STATE AND COUNTY CODES	01-50
COUNTY	SEE STATE AND COUNTY CODES	001-275

SITE OPEN	YES	1
SITE OPEN	NO	2
LAND OWNERSHIP	FEDERAL	1
LAND OWNERSHIP	STATE	2
LAND OWNERSHIP	OTHER PUBLIC	3
LAND OWNERSHIP	PRIVATE	4
LAND OWNERSHIP	PUBLIC UTILITY	5
LAND OWNERSHIP	UNKNOWN	9
SITE CATEGORY	ESTABLISHED CAMP OR PICNIC GROUND	1
SITE CATEGORY	OTHER ESTABLISHED PUBLIC USE SITE	2
SITE CATEGORY	VOLUNTEER SITE	3
SITE CATEGORY	MARKED TRAIL	4
SITE CATEGORY	SPECIAL USE SITE	5
SITE CATEGORY	ROADSIDE	6
SITE CATEGORY	RESIDENCE	7
SITE CATEGORY	OTHER	8
SITE CATEGORY	UNKNOWN CATEGORY NOT PERMISSIBLE	
PROP-PERSON	AGENCY	1
PROP-PERSON	RECREATIONIST	2
PROP-PERSON	FOREST INDUSTRY	3
PROP-PERSON	PERMITTEE-CONCESSIONAIRE	4
PROP-PERSON	OTHER	5
PROP-PERSON	CONTRACTOR	6
PROP-PERSON	PUBLIC UTILITY	7
PROP-PERSON	UNKNOWN PROP OR PERSON NOT PERMISSIBLE	
CONSEQUENCES	CLEANUP WORK REQUIRED	0 OR 9
	(ENTER 0 IF DAMAGE OR INJURY RESULTED. OTHERWISE ENTER 9. 00 NOT CODE TREE IF FAILURE DID NOT CAUSE ACCIDENT AND WAS TOO SMALL TO REQUIRE CLEANUP).	
CONSEQUENCES	PROPERTY DAMAGED	0 (NONE) OR 1
CONSEQUENCES	PROPERTY DESCRIPTION (ALPHABETIC)	FIVE SPACES
CONSEQUENCES	PROPERTY LOSS ESTIMATE (DOLLARS)	00001-99998
CONSEQUENCES	NUMBER OF INJURIES	0 OR 1-3
CONSEQUENCES	MEDICAL ATTENTION REQUIRED (NUMBER)	0 OR 1-3
CONSEQUENCES	NUMBER OF FATALITIES	0 OR 1-3
NUMBER OF TREES	(NOT SHOWN ON REPORT FORM)	001-998
NAME OF SITE	INCLUDE IN COMMENTS FIELD WHEN CODING	
COMMENTS	ALPHABETIC: INCLUDE NAME OF SITE, UNUSUAL WEATHER, 'OTHER' DEFECTS, CONTRIBUTING FACTORS, ETC. (LIMITED TO 34 SPACES)	
PROPERTY VALUE	(NOT SHOWN ON REPORT FORM). DOLLAR	00001-
	VALUE OF PROPERTY IF ACCIDENT OCCURRED, SEE TARGET VALUE GUIDE.	99998
TOTAL VALUE	(NOT SHOWN ON REPORT FORM) SUM OF DOLLAR	000001
	VALUES (PROPERTY, INJURY, FATALITY) FOR	999998
	TARGETS AFFECTED BY ACCIDENT.	
FAILURE CATEGORY	(NOT SHOWN ON REPORT FORM)	
	NORMAL (FOREST,SINGLE)	0
	CATASTROPHE	1
	URBAN (SINGLE)	2

TARGET VALUE GUIDE

Use actual value (maximum possible loss) if known. If reported loss is greater than value guidelines, use loss as reported and adjust value accordingly. Update and modify values to best represent local reporting sites.

Suggested value

(Maximum possible loss from an uprooted 70-inch DBH softwood)

POWERLINE	\$ 500
UTILITY POWER LINE	75
TELEPHONE LINE	50
CHAIN LINK OR CYCLONE FENCE	300
BARRED WIRE FENCE OR RAIL FENCE	90
WATER OR SEWER LINE	200
TRASH CAN	20
SIGN	50
TOILET	1,000
COMFORT STATION	30,000 ¹
PUMPHOUSE	5,000
CHANGE HOUSE	4,000
CHLORINATOR	2,000
SHED	500
FOOD LOCKERS	150
FIRE PIT	100
STOVE	100
PICNIC TABLE	300
CONCRETE PICNIC TABLE	500
TENT	70
CAMPSITE	1,337
TENT CABIN	2,000
1-ROOM VACATION CABIN	2,500
SUMMER HOUSE	5,000
BUILDING	5,000
PERMANENT RESIDENCE SITE	10,000
GARAGE	1,000
AUTO	2,000
WOOD GATE	150
BARRIER	35
TRAIL	400
FOOT BRIDGE (16')	1,000
ROAD	200
VEHICLE BRIDGE (20')	1,200
TRAILER, 2 WHEEL + CONTENTS	2,600
TRAILER, 4 WHEEL + CONTENTS	4,300
TRAILER, CONTENTS UNKNOWN	3,500
CAMPER	7,000
RECREATION VEHICLE - RV	45,000
TRUCK	3,000
OUTBOARD MOTOR	110
BOAT TRAILER OR CANOE	300
SKI LIFT	6,000
INJURY	2,700 ²
FATALITY	45,000

¹NEW FACILITIES COST \$40,000 1/78

²ONLY IF MEDICAL TREATMENT NEEDED

TREE SPECIES CODES – ALPHABETIC¹

Softwood Species Codes

000	UNIDENTIFIED GENERA OF SOFTWOODS	(AVOID USE OF 000)
001-499	ALL SOFTWOOD SPECIES	
211	ALASKA-CEDAR	CHAMAECYPARIS NOOTKATENSIS
200	CEDAR FAMILY, UNIDENTIFIED GENERA	
211	ALASKA-CEDAR	CHAMAECYPARIS NOOTKATENSIS
212	PORT-ORFORD-CEDAR	CHAMAECYPARIS LAWSONIANA
232	REDCEDAR, EASTERN	JUNIPERUS VIRGINIANA
221	REDCEDAR, WESTERN	THUJA PLICATA
455	STINKING-CEDAR (RARE)	TORREYA TAXIFOLIA
270	CYPRESS, UNIDENTIFIED ARIZONA, GOWAN, MACNAB, MODOC, MUNTEREY, TECATE	CUPRESSUS SPP, CUPRESSUS SPP. CUPRESSUS SPP.
001	DOUGLAS-FIR	PSEUDOTSUGA MENZIESII
002	DOUGLAS-FIR, BIGCONE	PSEUDOTSUGA MACROCARPA
100-199	FIR SPP.	
100	FIR, UNIDENTIFIED	ABIES SPP.
108	FIR, BALSAM	ABIES BALSAMEA
107	FIR, BRISTLECONE	ABIES BRACTEATA
102	FIR, CALIFORNIA RED	ABIES MAGNIFICA
103	FIR, GRAND	ABIES GRANDIS
105	FIR, NOBLE	ABIES PROCERA
104	FIR, PACIFIC SILVER	ABIES AMABILIS
106	FIR, SUBALPINE, CORKBARK	ABIES LASIOCARPA
101	FIR, WHITE	ABIES CONCOLOR
350	HEMLOCK, UNIDENTIFIED	TSUGA SPP.
354	HEMLOCK, CAROLINA	TSUGA CAROLINIANA
353	HEMLOCK, EASTERN	TSUGA CANADENSIS
351	HEMLOCK, MOUNTAIN	TSUGA MERTENSIANA
352	HEMLOCK, WESTERN	TSUGA HETEROPHYLLA
202	INCENSE-CEDAR	LIBOCEDRUS DECURRENS
230	JUNIPER, UNIDENTIFIED	JUNIPERUS SPP.
231	JUNIPER, ALLIGATOR, CALIFORNIA,	JUNIPERUS SPP.
231	JUNIPER, COMMON, ONE-SEED, PINCHOT,	JUNIPERUS SPP.
231	JUNIPER, ROCKY MTN, UTAH, WESTERN	JUNIPERUS SPP.
400	LARCH, UNIDENTIFIED	LARIX SPP.
402	LARCH, SUBALPINE	LARIX LYALLI
401	LARCH, WESTERN	LARIX OCCIDENTALIS

¹WHENEVER A NEW SPECIES IS ADDED TO THE FOLLOWING LIST, MAKE THE CHANGES IN THE NUMERIC CODE LIST AND IN THE ERROR PROGRAM AT THE SAME TIME.

SOFTWOOD SPECIES (CONT)

010-099	PINE SPP.	PINUS SPP.
010	PINE, UNIDENTIFIED	P. SPP.
037	PINE, APACHE, CHIHUAHUA	P. SPP.
040	PINE, BRISTLECONE, FOXTAIL	P. SPP.
026	PINE, LIMBER, WHITEBARK	P. SPP.
027	PINE, PINYON, MEXICAN PINYON, PARRY	P. SPP.
027	PINE, PINYON, SINGLELEAF PINYON	P. SPP.
035	PINE, ALEPPO	P. HALEPENSIS
025	PINE, BISHOP	P. MURICATA
021	PINE, COULTER	P. COULTERI
023	PINE, DIGGER	P. SABINIANA
032	PINE, EASTERN WHITE	P. STROBUS
034	PINE, ITALIAN STONE	P. PINEA
036	PINE, JACK	P. BANKSIANA
012	PINE, JEFFREY	P. JEFFREYI
024	PINE, KNOBCONE	P. ATTENUATA
030	PINE, LOBLOLLY	P. TAEDA
015	PINE, LODGEPOLE, BEACH, COAST, SHORE	P. CONTORTA
029	PINE, LONGLEAF	P. PALUSTRIS
022	PINE, MONTEREY	P. RADIIATA
031	PINE, PITCH	P. RIGIDA
039	PINE, POND	P. SEROTINA
011	PINE, PONDEROSA	P. PONDEROSA
016	PINE, RED	P. RESINOSA
028	PINE, SHORTLEAF	P. ECHINATA
038	PINE, SLASH	P. ELLIOTTII
013	PINE, SUGAR	P. LAMBERTIANA
025	PINE, TORREY	P. TORREYANA
033	PINE, VIRGINIA	P. VIRGINIANA
025	PINE, WASHOE	P. WASHOENSIS
014	PINE, WESTERN WHITE	P. MONTICOLA
212	PORT-ORFORD-CEDAR	CHAMAECYPARIS LAWSONIANA
221	REDCEDAR, WESTERN	THUJA PLICATA
232	REDCEDAR, EASTERN	JUNIPERUS VIRGINIANA L.
005	REDWOOD, COAST	SEQUOIA SEMPERVIRENS
007	REDWOOD, DAWN	METASEQUOIA
006	SEQUOIA, GIANT	SEQUOIA DENDRON GIGANTEA
300	SPRUCE, UNIDENTIFIED	PICEA SPP.
301	SPRUCE, ENGELMANN	PICEA ENGELMANNII
303	SPRUCE, BLACK	PICEA MARIANA
305	SPRUCE, BLUE	PICEA PUNGENS
306	SPRUCE, BREWER	PICEA BREWERIANA
307	SPRUCE, RED	PICEA RUBENS
302	SPRUCE, SITKA	PICEA SITCHENSIS
304	SPRUCE, WHITE, PARSILD	PICEA GLAUCA
455	STINKING-CEDAR (RARE)	TORREYA TAXIFOLIA
403	TAMARACK	LARIX LARICINA
450	TAXUS, UNIDENTIFIED	TAXUS SPP.
220	THUJA, UNIDENTIFIED	THUJA SPP.
454	TORREYA, CALIFORNIA	TORREYA CALIFORNICA
455	TORREYA, FLORIDA	TORREYA TAXIFOLIA

450	YEW, UNIDENTIFIED	
451	YEW, PACIFIC	TAXUS BREVIFOLIA
452	YEW, CANADIAN	TAXUS CANADENSIS
453	YEW, FLORIDA	TAXUS FLORIDANA

Hardwood Species Codes

500-799	HARDWOOD SPECIES EXCLUSIVE OF OAKS	
500	UNIDENTIFIED HARDWOOD SPECIES	(AVOID USE OF 500)
521	ACACIA, UNIDENTIFIED	ACACIA SPP.
520	ACACIA, BROADLEAF	ACACIA LATIFOLIA
730	ACACIA, CATCLAW	ACACIA GREGGII
731	ACACIA, SWEET	ACACIA FARNESIANA
530	AILANTHUS	AILANTHUS ALTISSIMA
501	ALDER, UNIDENTIFIED	ALNUS SPP.
616	ALDER, EUROPEAN	ALNUS GLUTINOSA
572	ALDER, RED	ALNUS RUBRA
617	ALDER, THINLEAF	ALNUS TENNIFOLIA
571	ALDER, WHITE	ALNUS RHOMBIFOLIA
547	APPLE, UNIDENTIFIED	MALUS SPP.
700	APPLE, COMMON	MALUS PUMILA
701	APPLE, SOUTHERN CRAB	MALUS ANGUSTIFOLIA
702	APPLE, SWEET CRAB	MALUS CORONARIA
502	ASH, UNIDENTIFIED	FRAXINUS SPP.
773	ASH, BLACK	FRAXINUS NIGRA
774	ASH, BLUE	FRAXINUS QUADRANGULATA
775	ASH, CAROLINA	FRAXINUS CAROLINIANA
776	ASH, GREEN	FRAXINUS PENNSYLVANICA
777	ASH, OREGON	FRAXINUS LATIFOLIA
778	ASH, WHITE	FRAXINUS AMERICANA
505	ASPEN, UNIDENTIFIED	POPULUS SPP.
580	ASPEN, BIGTOOTH	POPULUS GRANDIDENTATA
503	ASPEN, QUAKING	POPULUS TREMULOIDES
615	ATHEL	TAMARIX ARTICULATA
541	BASSWOOD, UNIDENTIFIED	TILIA SPP.
765	BASSWOOD, AMERICAN	TILIA AMERICANA
766	BASSWOOD, WHITE	TILIA HETEROPHYLLA
567	BAY, SWEET (NOT SWEETBAY)	LAURUS NOBILIS
527	BAYBERRY, PACIFIC	MYRICA SPP.
522	BEECH, UNIDENTIFIED	FAGUS SPP.
636	BEECH, AMERICAN	FAGUS GRANDIFOLIA
637	BEECH, EUROPEAN	FAGUS SYLVATICA
573	BEECH, BLUE	CARPINUS CAROLINIANA
504	BIRCH, UNIDENTIFIED	BETULA SPP.
606	BIRCH, GRAY	BETULA POPULIFOLIA
607	BIRCH, PAPER	BETULA PAPYRIFERA
608	BIRCH, RIVER	BETULA NIGRA
609	BIRCH, SWEET	BETULA LENTA
610	BIRCH, WATER	BETULA OCCIDENTALIS
611	BIRCH, YELLOW	BETULA ALLEGHANIENSIS

560	BLUEBLOSSOM	CEANOTMUS THYRSIFLORUS
750	BOXELDER	ACER NEGUNDO
508	BUCKEYE, CALIFORNIA	AESCLUS CALIFORNICA
760	BUCKEYE, OHIO	AESCLUS GLABRA
761	BUCKEYE, YELLOW	AESCLUS OCTANDRA
513	BUCKTHORN, CALIFORNIA	RHAMNUS CALIFORNICA
544	BUCKTMORN, CASCARA	RHAMNUS PURSHIANA
591	BUTTERNUT	JUGLANS CINEREA
512	CALIFORNIA-BAY (BELOW 5000 FT)	UMBELLULARIA CALIFORNICA
512	CALIFORNIA-LAUREL (BELOW 5000 FT)	UMBELLULARIA CALIFORNICA
560	CALIFORNIA-LILAC	CEANOTHUS THYRSIFLORUS
549	CAROB	CERATONIA SILIQUA
544	CASCARA	RHAMNUS PURSHIANA
542	CATALPA, UNIDENTIFIED	CATALPA SPP.
780	CATALPA, NORTHERN	CATALPA SPECIOSA
781	CATALPA, SOUTHERN	CATALPA BIGNONIOIDES
764	CEANOTHUS, SPINY	CEANOTHUS SPINOSUS
548	CHERRY, UNIDENTIFIED	PRUNUS SPP.
705	CHERRY, BLACK	PRUNUS SEROTINA PRUNUS
706	CHERRY, HOLLYLEAF	ILICIFOLIA PRUNUS
708	CHERRY, PIN	PENSYLVANICA
568	CHESTNUT, UNIDENTIFIED	CASTANEA SPP.
640	CHESTNUT, AMERICAN	CASTANEA DENTATA
641	CHESTNUT, CHINESE	CASTANEA MOLLISIMA
642	CHESTNUT, JAPANESE	CASTANEA CRENATA
643	CHESTNUT, SPANISH	CASTANEA SATIVA
552	CHINABERRY	MELIA AZEDARACH
650	CHINKAPIN, UNIDENTIFIED	CASTANOPSIS SPP.
651	CHINKAPIN, ALLEGHENY	CASTANOPSIS PUMILA
514	CHINKAPIN, GOLDEN	CASTANOPSIS CHRYSOPHYLLA
709	CHOKECHERRY, COMMON	PRUNUS VIRGINIANA
561	CHRISTMASBERRY	PHOTINIA ARBUTIFOLIA
545	COFFEETREE, KENTUCKY	GYMNOCLADUS DIOICUS
505	COTTONWOOD, UNIDENTIFIED	POPULUS SPP.
541	COTTONWOOD, BLACK	POPULUS TRICHOCARPA
582	COTTONWOOD, EASTERN	POPULUS DELTOIDES
556	COTTONWOOD, FREMONT	POPULUS FREMONTII
583	COTTONWOOD, SWAMP	POPULUS METEROPHYLLA
680	CUCUMBERTREE	MAGNOLIA ACUMINATA
516	DOGWOOD, UNIDENTIFIED	CORNUS SPP.
768	DOGWOOD, FLOWERING	CORNUS FLORIDA
769	DOGWOOD, PACIFIC	CORNUS NUTTALLII
767	DOGWOOD, RED-OSIER	CORNUS STOLONIFERA

526	ELDER, UNIDENTIFIED (NOT BOXELDER)	SAMBUCUS SPP.
526	ELDERBERRY, UNIDENTIFIED	SAMBUCUS SPP.
786	ELDER, AMERICAN	SAMBUCUS CANADENSIS
789	ELDERBERRY, BLUE	SAMBUCUS GLAUCA
787	ELDERBERRY, DESERT	SAMBUCUS MEXICANA
787	ELDER, MEXICAN	SAMBUCUS MEXICANA
788	ELDER, PACIFIC RED	SAMBUCUS CALLICARPA
511	ELM, UNIDENTIFIED	ULMUS SPP.
655	ELM, AMERICAN	ULMUS AMERICANA
656	ELM, CEDAR	ULMUS CRASSIFOLIA
661	ELM, CHINESE	ULMUS PARVIFOLIA
657	ELM, RED	ULMUS SEROTINA
658	ELM, ROCK	ULMUS THOMASII
659	ELM, SLIPPERY	ULMUS RUBRA
660	ELM, WINGED	ULMUS ALATA
509	EUCALYPTUS, UNIDENTIFIED	EUCALYPTUS SPP.
531	FIG, UNIDENTIFIED	FICUS SPP.
676	FIG, COMMON	FICUS CARICA
677	FIG, FLORIDA STRANGLER	FICUS AUREA
678	FIG, SHORTLEAF	FICUS LAEVIGATE
533	GOLOENCHAIN TREE	LABURNUM WATERERI
524	HACKBERRY, UNIDENTIFIED	CELTIS SPP.
665	HACKBERRY	CELTIS OCCIDENTALIS
666	HACKBERRY (SUGARBERRY)	CELTIS LAEVIGATA
551	HAWTHORN, UNIDENTIFIED	CRATAEGUS SPP.
720	HAWTHORN, BLACK	CRATAEGUS DOUGLASII
721	HAWTHORN, COCKSPUR	CRATAEGUS CRUS-GALLI
630	HAZEL, UNIDENTIFIED	CORYLUS SPP.
631	HAZEL, AMERICAN	CORYLUS AMERICANA
632	HAZEL, BEAKED	CORYLUS ROSTRATA
633	HAZEL, CALIFORNIA	CORYLUS CORNUTA
634	HAZEL, GIANT	CORYLUS MAXIMA
555	HERCULES-CLUB TREE	ZANTHOXYLUM CLAVA-HERCULIS
525	HICKORY, UNIDENTIFIED	CARYA SPP.
596	HICKORY, BITTERNUT	CARYA CORDIFORMIS
597	HICKORY, BLACK	CARYA TEXANA
598	HICKORY, MOCKERNUT	CARYA TOMENTOSA
599	HICKORY, PIGNUT	CARYA GLABRA
600	HICKORY, SHAGBARK	CARYA OVATA
601	HICKORY, SHELLBARK	CARYA LACINIOSA
540	HOLLY, UNIDENTIFIED	ILEX SPP.
745	HOLLY, AMERICAN	ILEX OPACA
746	HOLLY, CAROLINA	ILEX AMBIGUA
747	HOLLY, GEORGIA	ILEX LONGIPES
561	HOLLYBERRY	PHOTINIA ARBUTIFOLIA
738	HONEYLOCUST, UNIDENTIFIED	GLEDITSIA SPP.
739	HONEYLOCUST	GLEDITSIA TRIACANTHOS
740	HONEYLOCUST, TEXAS	GLEDITSIA TEXANA
625	HOPHORNBEAM, UNIDENTIFIED	OSTRYA SPP.
626	HOPHORNBEAM, EASTERN	OSTRYA VIRGINIANA
627	HOPHORNBEAM, KNOWLTON (WESTERN)	OSTRYA KNOWLTONII

HARDWOOD SPECIES (CONT.)

573	HORNBEAM, AMERICAN	CARPINUS CAROLINIANA
762	HORSECHESTNUT	AESCULUS HIPPOCASTANUM
535	IRON TREE	METROSIDEROS TOMENTOSA
627	IRONWOOD (ALSO OTHER GENERA)	OSTRYA KNOWLTONII
737	JUDAS-TREE	CERCIS CANADENSIS
794	LAUREL, UNIDENTIFIED (PUERTO RICO)	LAURACEAE
528	LAUREL, AMERICAN (7000-12000 FT)	KALMIA LATIFOLIA
567	LAUREL, GRECIAN	LAURUS NOBILIS
566	LAURELCHERRY, MYRTLE	PRUNUS MYRTIFOLIA
541	LINDEN, UNIDENTIFIED	TILIA SPP.
518	LOCUST, UNIDENTIFIED	ROBINIA SPP.
569	LOCUST, BLACK	ROBINIA PSEUDOACACIA
515	MADRONE, UNIDENTIFIED	ARBUTUS SPP.
772	MADRONE, PACIFIC	ARBUTUS MENZIESII
565	MAGNOLIA, UNIDENTIFIED	MAGNOLIA SPP.
681	MAGNOLIA, BIGLEAF	MAGNOLIA MACROPHYLLA
682	MAGNOLIA, FRASER	MAGNOLIA FRASERI
683	MAGNOLIA, SOUTHERN	MAGNOLIA GRANDIFLORA
685	MAGNOLIA, SWEETBAY	MAGNOLIA VIRGINIANA
684	MAGNOLIA, UMBRELLA	MAGNOLIA TRIPETALA
792	MANZANITA, EASTWOOD	ARCTOSTAPHYLOS GLANDULOSA
506	MAPLE, UNIDENTIFIED	ACER SPP.
750	BOXELDER	ACER NEGUNDO
751	MAPLE, BIGLEAF	ACER MACROPHYLLUM
752	MAPLE, BLACK	ACER NIGRUM
753	MAPLE, RED	ACER RUBRUM
754	MAPLE, ROCKY MOUNTAIN	ACER GLABRUM
755	MAPLE, SILVER	ACER SACCHARINUM
756	MAPLE, STRIPED	ACER PENNSYLVANICUM
757	MAPLE, SUGAR	ACER SACCHARUM
536	MESQUITE, UNIDENTIFIED	PROSOPIS SPP.
574	MESQUITE, COMMON	PROSOPIS JULIFLORA
528	MOUNTAIN-LAUREL (7000-12000 FT)	KALMIA LATIFOLIA
538	MULBERRY, UNIDENTIFIED	MORUS SPP.
671	MULBERRY, BLACK	MORUS NIGRA
672	MULBERRY, RED	MORUS RUBRA
673	MULBERRY, TEXAS	MORUS MICROPHYLLA
674	MULBERRY, WHITE	MORUS ALBA
527	MYRICA SPP., UNIDENTIFIED	MYRICA SPP.
535	NEW ZEALAND CHRISTMAS TREE	METROSIDEROS TOMENTOSA
800	OAK -- SEE OAK SPECIES CODES --	
562	OLEANDER, COMMON	NERIUM OLEANDER
512	OREGON-MYRTLE (BELOW 5000 FT)	UMBELLULARIA CALIFORNICA
553	OSAGE-ORANGE	MACLURA POMIFERA

796	PALO COLORADO	CYRILLA RACEMIFLORA
717	PEAR, COMMON	PYRUS COMMUNIS
558	PEACH	PRUNUS PERSICA
550	PECAN	CARYA ILLINOENSIS
529	PEPPERTREE, CALIFORNIA	SCHINUS MOLLE
512	PEPPERWOOD (BELOW 5000 FT)	UMBELLULARIA CALIFORNICA
543	PERSIMMON, COMMON	DIOSPYROS VIRGINIANA
532	PISTACHE, TEXAS	PISTACIA TEXANA
744	POISON-SUMAC	TOXICODENDRON VERNIX
505	POPLAR, UNIDENTIFIED	POPULUS SPP.
584	POPLAR, BALSAM	POPULUS BALSAMIFERA
554	YELLOW-POPLAR	LIRIODENORON TULIPIFERA
692	REDBAY	PERSEA BORBONIA
546	REDBUD, UNIDENTIFIED	CERCIS SPP.
736	REDBUD, CALIFORNIA	CERCIS OCCIDENTALIS
737	REDBUD, EASTERN	CERCIS CANADENSIS
539	REDGUM	LIQUIDAMBAR STYRACIFLUA
557	RUSSIAN-OLIVE	ELAEAGNUS ANGUSTIFOLIA
559	SANDALWOOD, BASTARD	MYOPORUM SANOWICENSE
690	SASSAFRASS	SASSAFRASS ALBIDUM
570	SILK-OAK	GREVILLEA ROBUSTA
790	SOAPBERRY, UNIDENTIFIED	SAPINDUS SPP.
563	SOURWOOD	OXYDENDRUM ARBOREUM
666	SUGARBERRY	CELTIS LAEVI GATA
537	SUMAC, UNIDENTIFIED	RHUS SPP.
743	SUMAC, STAGHORN	RHUS TYPHINA
527	SWEETBAY, SIERRA	MYRICA SPP.
539	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
517	SYCAMORE, UNIDENTIFIED	PLATANUS SPP.
696	SYCAMORE, AMERICAN	PLATANUS OCCIDENTALIS
695	SYCAMORE, ARIZONA	PLATANUS WRIGHTII
697	SYCAMORE, CALIFORNIA	PLATANUS RACEMOSA
523	TAMARISK, UNIDENTIFIED	TAMARIX SPP.
783	TAMARISK, FIVE-STAMEN	TAMARIX PENTANDRA
784	TAMARISK, SMALLFLOWER	TAMARIX PARVIFLORA
510	TANOAK	LITHOCARPUS DENSIFLORA
561	TOYON	PHOTINIA ARBUTIFOLIA

HARDWOOD
SPECIES(CONT.)

530	TREE OF HEAVEN	AILANTHUS ALTISSIMA
554	TULIPTREE	LIRIODENDRON TULIPIFERA
534	TUPELO, UNIDENTIFIED	NYSSA SPP.
770	TUPELO, BLACK	NYSSA SYLVATICA
771	TUPELO, WATER	NYSSA AQUATICA
552	UMBRELLA-TREE	MELIA AZEDARACH
590	WALNUT, UNIDENTIFIED	JUGLANS SPP.
564	WALNUT, ARIZONA	JUGLANS MAJOR
519	WALNUT, BLACK	JUGLANS NIGRA
592	WALNUT, CALIFORNIA	JUGLANS CALIFORNICA
593	WALNUT, HINDS	JUGLANS HINDSII
741	WATERLOCUST	GLEDITSIA AQUATICA
527	WAXMYRTLE, PACIFIC	MYRICA SPP.
507	WILLOW, UNIDENTIFIED	SALIX SPP.
575	WILLOW, BLACK	SALIX NIGRA
748	WINTERBERRY, MOUNTAIN	ILEX MONTANA
694	WITCH-HAZEL	HAMAMELIS VIRGINIANA
554	YELLOW-POPLAR	LIRIODENDRON TULIPIFERA

Oak Species Codes

L = LIVE, W = WHITE, R-B = RED OR BLACK

800-899	OAKS	QUERCUS SPP.	
800	OAK, UNIDENTIFIED		
824	BLACK, UNIDENT	Q. SPP.	(R-B)
825	BLACK	Q. VELUTINA	(R-B)
821	BLACK	Q. COCCINEA	(R-B)
810	BLACK	Q. MARILANDICA	(R-B)
801	BLACK, CALIF.	Q. KELLOGGII	(R-B)
810	BLACKJACK	Q. MARILANDICA	(R-B)
815	BLUE	Q. DOUGLASII	(W)
827	BLUEJACK	Q. INCANA	(W)
818	BUR	Q. MACROCARPA	(W)
801	CALIF. BLACK	Q. KELLOGGII	(R-B)
817	CALIF. SCRUB	Q. DUMOSA	(W:L)
803	CALIF. WHITE	Q. LOBATA	(W)
812	CHERRYBARK	Q. FALCATA V PAGODAEOFOLIA	(R-B)
828	CHESTNUT	Q. MICHAUXII	(W)
819	DURAND	Q. DURANDII	(W)
829	EMORY	Q. EMORYI	(R-B)
807	GAMBEL	Q. GAMBELII	(W)
806	GARRY	Q. GARRYANA	(W)

820	LIVE, UNIDENTIFIED - FROM CALIFORNIA OR FAR	WEST	
814	LIVE, (SE) Q. VIRGINIANA	SE	(W:L)
802	LIVE, CALIF. Q. AGRIFOLIA	CALIF.	(R-B:L)
804	LIVE, CANYON Q. CHRYSOLEPIS	CALIF., ORE., NEV,	(W:L)
802	LIVE, COAST Q. AGRIFOLIA	CALIF.	(R-B:L)
805	LIVE, HIGHLAND Q. WISLIZENII	CALIF.	(R-B:L)
805	LIVE, INTERIOR Q. WISLIZENII	CALIF.	(R-B:L)
814	LIVE, SCRUB Q. VIRGINIANA	SE	(W:L)
817	LIVE, CAL. SCRUB Q. DUMOSA	CALIF.	(W:L)
805	LIVE, SIERRA Q. WISLIZENII	CALIF.	(R-B:L)
804	LIVE, WHITE Q. CHRYSOLEPIS	CALIF., ORE., NEV,	(W:L)
804	MAUL Q. CHRYSOLEPIS	TEX., OKLA.	(W:L)
813	MOHRS Q. MOHRIANA	TEX., OKLA.	(W)
815	MOUNTAIN WHITE Q. DOUGLASII	CALIF,	(W)
823	NORTHERN RED Q. RUBRA	NE, SE	(R-B)
806	OREGON WHITE Q. GARRYANA	WASH, ORE, CALIF,	(W)
809	POST Q. STELLATA	NE, SE	(W)
824	RED, UNIDENT. Q. SPP.		(R-B)
821	RED Q. COCCINEA	NE, SE	(R-B)
812	RED Q. FALCATA V PAGODAEFOLIA	NE, SE	(R-B)
811	RED Q. NIGRA	NE, SE	(R-B)
816	RED Q. PHELLOS	NE, SE	(R-B)
823	RED, NORTHERN Q. RUBRA	NE, SE	(R-B)
808	RED, SOUTHERN Q. FALCATA V FALCATA	NE, SE	(R-B)
827	SANDJACK Q. INCANA	SE	
821	SCARLET Q. COCCINEA	NE, SE	(R-B)
813	SCRUB Q. MOHRIANA	TEX., OKLA.	(W)
817	SCRUB, CALIF Q. DUMOSA	CALIF.	(W:L)
813	SHIN OAK Q. MOHRIANA	TEX., OKLA.	(W)
570	SILK-OAK Q. GREVILLEA ROBUSTA		(---)
808	SOUTHERN RED Q. FALCATA V FALCATA	NE, SE	(R-B)
510	TANOAK Q. LITHOCARPUS DENSIFLORA		(---)
803	VALLEY Q. LOBATA	CALIF.	(W)
811	WATER Q. NIGRA	NE, SE	(R-B)
826	WHITE, UNIDENT. Q. SPP.		(W)
822	WHITE Q. ALBA	NE, SE	(W)
803	WHITE, CALIF. Q. LOBATA	CALIF.	(W)
815	WHITE, MOUNTAIN Q. DOUGLASII	CALIF.	(W)
806	WHITE, OREGON Q. GARRYANA	WASH., ORE., CALIF.	(W)
807	WHITE, ROCKY MTN Q. GAMBELII	NW, SW	(W)
816	WILLOW Q. PHELLOS	NE, SE	(R-B)

Other Species Codes

950	PALM, UNIDENTIFIED	PALMAE
949	SAHUARO	CEREUS GIGANTEUS
999	GENUS UNKNOWN	(AVOID USE OF 999)
900-948	CODE NUMBERS FOR ADDITIONAL SPECIES.	
951-998	CODE NUMBERS FOR ADDITIONAL SPECIES.	

FOREST TYPE CODES AND DESCRIPTIONS

The codes listed represent a condensation of a forest type classification published by the Society of American Foresters (SAF)². The code groupings are based on species composition of the stand, and frequency of the dominant and codominant trees. An effort has been made to retain broad ecological groupings in the condensation. Consequently, SAF classifications can be partially recreated in analyses by specifying appropriate limitations on species, altitude, and geographic location.

Modification of our forest type codes may be desirable when reports are being coded for areas limited to a

given Forest Service Region or other agency. Any two-digit code may be added to or substituted for the one used here. For the most part, hardwood types are not separated in the following codes. However, note types 08, 09, 10, 11, 18, 19, and 20. For studies of hardwood hazard associated with local conditions, other hardwood types can be given code numbers between 22 and 98.

In the forest type descriptions, the numbers of the SAF cover types which fall within each type code are shown at the right. If actual percentage species composition is not given, species are described as predominant—the species makes up at least 50 percent of the stand, or pure—the species composes at least 80 percent of the stand. The forest type descriptions name the species that are frequent in the type, although others are normally present.

² Society of American Foresters. 1954, reprinted 1973. *Forest cover types of North America (exclusive of Mexico)*. 67 p. Rep., Comm. Forest Types, Soc. Am. For., Washington, D.C.

Codes

01	(PINE TYPE) (ALSO SEE LODGEPOLE)	13	(SPRUCE TYPE)
02	(REDWOOD TYPE)	14	(HEMLOCK TYPE)
03	(DOUGLAS-FIR TYPE)	15	(LARCH TYPE)
04	(FIR TYPE)	16	(CEDAR TYPE)
05	(MIXED CONIFER)	17	(EASTERN REDCEDAR TYPE)
06	(LODGEPOLE PINE TYPE)	18	(ASPEN TYPE)
07	(JUNIPER - PINYON TYPE)	19	(LANDSCAPE TYPE)
08	(CONIFER - HARDWOOD TYPE)	20	(STREAM TYPE)
09	(HARDWOOD TYPE)	21	(BALDCYPRESS-PONDCYPRESS TYPE)
10	(WOODLAND -GRASS TYPE)	22	(PALM TYPE)
11	(CHAPARRAL - MESQUITE TYPE)	23-98	(EXPANSION FOR FUTURE TYPES)
12	(GIANT SEQUOIA TYPE)	99	(UNIDENTIFIED)

Descriptions

01 (PINE TYPE)
 === =====

PINES (PINUS SPP.) ARE PURE OR PREDOMINANT IN THE STAND. THIS TYPE DOES NOT INCLUDE COULTER, DIGGER, PINYON, LODGEPOLE, OR SUGAR PINE EXCEPT AS MINOR ASSOCIATES (SEE 08 CONIFER-HARDWOOD TYPE). SOME OF THE FOREST TYPES INCLUDED IN THIS GROUPING ARE:

WESTERN NORTH AMERICA

- | | |
|--|-----------------|
| 1) PONDEROSA PINE - INTERIOR AND PACIFIC | (TYPE 237, 245) |
| 2) PONDEROSA PINE - DOUGLAS-FIR | (TYPE 244) |
| 3) PONDEROSA PINE - LARCH - DOUGLAS-FIR | (TYPE 214) |
| 4) JEFFREY PINE | (TYPE 247) |
| 5) KNOBCONE PINE | (TYPE 248) |
| 6) BRISTLECONE PINE | (TYPE 209) |
| 7) WHITEBARK PINE | (TYPE 208) |
| 8) WESTERN WHITE PINE | (TYPE 215) |
| 9) LIMBER PINE | (TYPE 219) |
| 10) MONTEREY PINE IN NATURAL ENVIRONMENT | (RANGE) |

EASTERN NORTH AMERICA

- | | |
|-------------------------|-------------------|
| 1) JACK PINE | (TYPE 1, 3, 6, 8) |
| 2) RED PINE | (TYPE 15) |
| 3) WHITE PINE | (TYPE 20, 21, 51) |
| 4) WHITE PINE - HEMLOCK | (TYPE 22) |
| 5) PITCH PINE | (TYPE 45) |
| 6) SAND PINE | (TYPE 69) |
| 7) LONGLEAF PINE | (TYPE 70, 71, 83) |
| 8) SHORTLEAF PINE | (TYPE 75, 76, 77) |
| 9) VIRGINIA PINE | (TYPE 78, 79) |
| 10) LOBLOLLY PINE | (TYPE 80, 81, 82) |
| 11) SLASH PINE | (84, 85, 86, 99) |
| 12) POND PINE | (TYPE 98) |

ASSOCIATE SPECIES

ASSOCIATES ARE NUMEROUS, INCLUDING OTHER CONIFEROUS SPECIES AND MANY HARDWOODS.

02 (REDWOOD TYPE) (TYPE 232)
 == =====

REDWOOD (SEQUOIA SEMPERVIRENS) MAKES UP 20 PERCENT OR MORE OF THE STAND. GIANT SEQUOIA AND DAWN REDWOOD ARE NOT INCLUDED.

ASSOCIATE SPECIES

THE MOST COMMON ASSOCIATE OF REDWOOD IS DOUGLAS-FIR, WITH LESSER AMOUNTS OF GRAND FIR, WESTERN HEMLOCK, SITKA SPRUCE, PORT-ORFORD-CEDAR, PACIFIC YEW, WESTERN REOCEDAR, AND CALIFORNIA TORREYA. THE MOST IMPORTANT HARDWOODS ARE MADRONE AND TANOAK, WITH LESSER AMOUNTS OF CALIFORNIA LAUREL, OREGON WHITE OAK, PACIFIC WAXMYRTLE, AND OREGON ASH.

RANGE

COASTAL CALIFORNIA FROM SOUTHERN MONTEREY COUNTY NORTH TO THE OREGON - CALIFORNIA BORDER.

03 (DOUGLAS-FIR TYPE)
 == =====

DOUGLAS-FIR IS PURE OR PREDOMINANT, INCLUDING BOTH THE PACIFIC COAST TYPE (VAR. MENZIESII) AND THE INTERIOR TYPE (VAR. GLAUCA). IN THE INTERIOR REGIONS, DOUGLAS-FIR AND WHITE FIR TOGETHER MAY PREDOMINATE. BIG CONE DOUGLAS-FIR (PSEUDOTSUGA MACROCARPA) IS NOT INCLUDED IN THIS TYPE. THE FOLLOWING ARE INCLUDED IN THIS GROUPING.

- | | |
|------------------------------------|------------|
| 1) PACIFIC DOUGLAS- | (TYPE 229) |
| 2) INTERIOR DOUGLAS- | (TYPE 210) |
| 3) DOUGLAS-FIR - WESTERN HEMLOCK | (TYPE 230) |
| 4) PORT-ORFORD-CEDAR - DOUGLAS-FIR | (TYPE 231) |

ASSOCIATE SPECIES

ALONG THE PACIFIC COAST - REDWOOD, PORT-ORFORD-CEDAR, PONDEROSA PINE, WESTERN WHITE PINE, WESTERN HEMLOCK, GRAND FIR, WESTERN REDCEDAR, PACIFIC SILVER FIR, NOBLE FIR, SITKA SPRUCE, AND INCENSE CEDAR. HARDWOOD ASSOCIATES ARE MADRONE, TANOAK, YEW, CALIFORNIA LAUREL, AND COASTAL SPECIES. INTERIOR ASSOCIATES ARE WHITE FIR, WESTERN LARCH, GRAND FIR, WESTERN WHITE PINE, PONDEROSA PINE, LODGEPOLE PINE, BLUE SPRUCE, LIMBER PINE, AND ASPEN.

04 (FIR TYPE)
 == =====

- 1) WHITE FIR (TYPE 211)

WHITE FIR IS PURE OR PREDOMINANT.

ASSOCIATE SPECIES

DOUGLAS-FIR, PONDEROSA PINE, SUGAR PINE, JEFFREY PINE, LODGEPOLE PINE, WESTERN WHITE PINE, RED FIR, AND OTHER TRUE FIRS.

RANGE

SOUTHERN CASCADE MOUNTAIN RANGE AND RANGES IMMEDIATELY TO THE EAST IN OREGON AND CALIFORNIA. DOES NOT OCCUR AS A TRUE FIR TYPE IN THE INTERIOR REGIONS

- 2) RED FIR (TYPE 207)

RED FIR IS PURE OR PREDOMINANT

ASSOCIATE SPECIES

JEFFREY PINE, WESTERN WHITE PINE, LODGEPOLE PINE, AND MOUNTAIN HEMLOCK AT HIGHER ELEVATIONS. LOWER ELEVATION ASSOCIATES ARE SUGAR PINE AND WHITE FIR. OTHER ASSOCIATES ARE NOBLE FIR, WHITEBARK PINE, INCENSE CEDAR, AND DOUGLAS-FIR.

RANGE

HIGH ELEVATIONS EXTENDING FROM THE SOUTHERN SIERRA NEVADA MOUNTAINS OF CALIFORNIA INTO THE SOUTHERN CASCADES IN OREGON.

- 3) PACIFIC SILVER FIR (TYPE 226)

PACIFIC SILVER FIR IS PREDOMINANT.

ASSOCIATE SPECIES

 WESTERN HEMLOCK, MOUNTAIN HEMLOCK, DOUGLAS-FIR, WESTERN REDCEDAR, NOBLE
 FIR, GRAND FIR, ALASKA-CEDAR, AND WESTERN WHITE PINE.

RANGE

SOUTHERN ALASKA TO SOUTHERN OREGON,

4) GRAND FIR (TYPE 213)

GRAND FIR, LARCH AND DOUGLAS-FIR TOGETHER PREDOMINATE

ASSOCIATE SPECIES

LARCH, DOUGLAS-FIR, WESTERN HEMLOCK, WESTERN WHITE PINE, PONDEROSA PINE,
 AND ENGELMANN SPRUCE.

RANGE

NORTHERN WASHINGTON, IDAHO, MONTANA, AND OREGON.

5) BALSAM FIR (TYPE 5)

BALSAM FIR IS PURE OR PREDOMINANT.

ASSOCIATE SPECIES

BLACK SPRUCE, WHITE SPRUCE, RED SPRUCE, PAPER BIRCH AND ASPEN.

RANGE

NORTHEASTERN AND LAKE STATES.

05 (MIXED CONIFER) (TYPE 243)

== =====

PONDEROSA PINE, SUGAR PINE, AND WHITE FIR PREDOMINATE.

ASSOCIATE SPECIES

DOUGLAS-FIR, INCENSE CEDAR, JEFFREY PINE, RED FIR, AND BLACK OAK.

RANGE

TYPICAL OF ELEVATIONS FROM 3,000 TO 6,000 FEET IN THE SIERRA NEVADA -
 EXTENDING FROM SOUTHERN OREGON, SOUTH TO THE MOUNTAINS OF SOUTHERN
 CALIFORNIA, AND WEST INTO THE COAST RANGES.

06 (LODGEPOLE PINE TYPE) (TYPE 218)

== =====

LODGEPOLE PINE IS PURE OR PREDOMINANT,

ASSOCIATE SPECIES

WESTERN WHITE PINE, PONDEROSA PINE, DOUGLAS-FIR, GRAND FIR, SUBALPINE FIR,
 ENGELMANN SPRUCE, WESTERN LARCH, ASPEN, AND MOUNTAIN HEMLOCK.
 (WHITE FIR, JEFFREY PINE, RED FIR, COTTONWOOD IN TAHOE REGION).

LODGEPOLE PINE TYPE (CONT.)

RANGE

SOUTHERN ALASKA SOUTH. MOST WIDELY DEVELOPED IN SOUTHERN MONTANA, NORTHERN WYOMING, CENTRAL COLORADO AND UTAH, SOUTHERN IDAHO, IN CASCADE AND SIERRA NEVADA RANGES, AND ALONG THE PACIFIC COAST.

07 (JUNIPER - PINYON TYPE)

(TYPE 66, 220,
238, 239, 240)

== =====

JUNIPER OR PINYON PREDOMINATE TOGETHER OR SINGLY.

ASSOCIATE SPECIES

PONDEROSA PINE, ARIZONA CYPRESS, JEFFREY PINE, SEVERAL SCRUB OAKS, AND ASPEN

RANGE

EASTERN AND CENTRAL OREGON, SOUTHERN COLORADO AND NEW MEXICO, WESTERN UTAH, NEVADA, ARIZONA, TEXAS AND CALIFORNIA.

08 (CONIFER - HARDWOOD TYPE)

(TYPE 250)

== =====

A GENERAL TYPE IN WHICH BOTH HARDWOODS AND CONIFERS OCCUR IN MIXTURE. IN CALIFORNIA IT INCLUDES DIGGER PINE (TYPE 250), COULTER PINE, AND BRISTLECONE FIR WITH SEVERAL OTHER CONIFERS OCCURRING IN MIXTURE. IN THE EASTERN UNITED STATES IT INCLUDES THE PINE-HARDWOODS TYPES, PROVIDED NEITHER PINES NOR HARDWOODS PREDOMINATE INDIVIDUALLY. USE MORE SPECIFIC TYPE DESIGNATION WHEN POSSIBLE.

09 (HARDWOOD TYPE)

== =====

HARDWOODS PREDOMINATE IN THE STAND. THIS IS A GENERAL CLASSIFICATION WHICH INCLUDES NEARLY ALL DOMINANT HARDWOOD TYPES. THERE SHOULD NOT BE MANY CONIFER SPECIES PRESENT (SEE CONIFER-HARDWOOD), AND THE STAND SHOULD NOT BE OPEN (SEE WOODLAND-GRASS). NEITHER DOES THE TYPE FALL WITHIN STREAM TYPE, LANDSCAPE TYPE, ASPEN TYPE OR CHAPARRAL TYPE CATEGORIES.

10 (WOODLAND-GRASS TYPE)

== =====

AREAS OF PRIMARILY HARDWOODS WITH SOME CONIFERS IN A VERY OPEN STAND INTERSPERSED WITH OPEN GRASSY AREAS. THIS TYPE IS COMMON IN THE COASTAL MOUNTAINS AND SIERRA NEVADA FOOTHILLS OF CALIFORNIA# BUT IS COUNTRYWIDE IN OCCURRENCE.

11 (CHAPARRAL - MESQUITE - CHAMISAL TYPE)

(TYPE 68, 242)

== =====

DENSE STAND OF BROADLEAVED BRUSH OR SHRUB TREE SPECIES OF FROM 5 TO 25 FEET TALL. INCLUDES MESQUITE AND SCRUB OAKS. THIS TYPE IS TYPICAL OF POOR SITES AND ARID REGIONS OF THE WEST. LARGER TREE SPECIES MAY BE INTERSPERSED IN CHAPARRAL BUT 00 NOT PREDOMINATE.

12 (GIANT SEQUOIA TYPE)
 == =====

GIANT SEQUOIA IS PRESENT. ALSO SEE MIXED CONIFER TYPE.

ASSOCIATE SPECIES

MOST TREES OF THE MIXED CONIFER TYPE.

RANGE

SCATTERED SMALL AREAS IN THE CENTRAL SIERRA NEVADA MOUNTAINS OF CALIFORNIA.

13 (SPRUCE TYPE)
 == =====

1) ENGELMANN SPRUCE - SUBALPINE FIR (TYPE 206)

EITHER ENGELMANN SPRUCE OR SUBALPINE FIR OR A MIXTURE OF THE TWO IS PURE OR PREDOMINANT.

ASSOCIATE SPECIES

DOUGLAS-FIR, GRAND FIR, WHITEBARK PINE, LODGEPOLE PINE, WESTERN LARCH, WESTERN HEMLOCK, WESTERN REDCEDAR, WESTERN WHITE SPRUCE, LIMBER PINE, AND ASPEN.

RANGE

CASCADE MOUNTAINS IN OREGON, AND THE ROCKY MOUNTAINS FROM ARIZONA AND NEW MEXICO NORTH TO CANADA.

2) SITKA SPRUCE (TYPE 223)

SITKA SPRUCE IS PURE (MORE THAN 80 PERCENT OF STAND)

ASSOCIATE SPECIES

WESTERN HEMLOCK, DOUGLAS-FIR, PACIFIC SILVER FIR, WESTERN REDCEDAR, PORT-ORFORD-CEDAR, AND RED ALDER.

RANGE

COASTAL AREAS FROM ALASKA SOUTH TO NORTHERN CALIFORNIA.

3) BLUE SPRUCE (TYPE 216)

BLUE SPRUCE IS PURE OR PREDOMINANT.

ASSOCIATE SPECIES

DOUGLAS-FIR, WHITE FIR, ENGELMANN SPRUCE, PONDEROSA PINE, AND SEVERAL HARDWOODS.

RANGE

MOUNTAINS OF WYOMING, UTAH, COLORADO, NEW MEXICO, AND PARTS OF ARIZONA.

- 4) BLACK SPRUCE (TYPE 2, 7, 10, 12, 13, 204)

BLACK SPRUCE IS PURE OR PREDOMINANT.

ASSOCIATE SPECIES

TAMARACK, BALSAM FIR, AND PAPER BIRCH.

RANGE

ALASKA TO THE LAKE STATES AND NEW ENGLAND.

- 5) WHITE SPRUCE (TYPE 4, 9, 36, 201, 202)

WHITE SPRUCE IS PURE OR PREDOMINANT.

ASSOCIATE SPECIES

BIRCH, ASPEN, BALSAM POPLAR, AND BALSAM FIR.

RANGE

ALASKA SOUTHEAST TO THE GREAT LAKES AND NORTHEASTERN UNITED STATES.

- 6) SITKA SPRUCE - WESTERN HEMLOCK (TYPE 225)

EITHER SPECIES MAY PREDOMINATE.

ASSOCIATE SPECIES

DOUGLAS-FIR, WESTERN REDCEDAR, AND RED ALDER.

RANGE

KENAI PENINSULA, ALASKA, SOUTH ALONG THE COAST TO SOUTHERN OREGON.
MAY EXTEND INLAND 50 MILES.

- 7) RED SPRUCE (TYPE 30, 31, 32, 33, 34)

ASSOCIATE SPECIES

YELLOW BIRCH, PAPER BIRCH, SUGAR MAPLE, BEECH, BALSAM FIR, FRASER FIR.

RANGE

NORTHERN NEW ENGLAND AND NEW YORK, PENNSYLVANIA AND APPALACHIANS.

14 (HEMLOCK TYPE)

== =====

- 1) MOUNTAIN HEMLOCK - SUBALPINE FIR (TYPE 205)

MOUNTAIN HEMLOCK AND SUBALPINE FIR TOGETHER PREDOMINATE,

ASSOCIATE SPECIES

ENGELMANN SPRUCE, PACIFIC SILVER FIR, NOBLE FIR, WESTERN LARCH, SUBALPINE
LARCH, WHITERARK PINE, WESTERN HEMLOCK, AND IN ALASKA, SITKA SPRUCE,
ALASKA-CEDAR, AND LODGEPOLE PINE.

RANGE

FROM CASCADE MOUNTAINS IN SOUTHERN OREGON NORTH ALONG THE COAST INTO ALASKA.

2) WESTERN HEMLOCK (TYPE 224)

WESTERN HEMLOCK IS PURE (80 PERCENT OR MORE OF STAND)

ASSOCIATE SPECIES

SITKA SPRUCE, WESTERN REDCEDAR, AND DOUGLAS-FIR ALONG THE COAST, FURTHER INLAND, ALASKA-CEDAR, GRAND FIR, PACIFIC SILVER FIR, NOBLE FIR, SUBALPINE FIR, MOUNTAIN HEMLOCK, AND WESTERN WHITE PINE.

RANGE

SOUTHERN ALASKA, WESTERN WASHINGTON, OREGON, AND NORTHERN IDAHO.

3) EASTERN HEMLOCK (TYPE 23,24)

EASTERN HEMLOCK IS PURE OR PREDOMINANT.

ASSOCIATE SPECIES

YELLOW BIRCH AND OTHER HARDWOODS.

RANGE

LAKE STATES TO EAST COAST.

15 (LARCH TYPE)

== =====

1) WESTERN LARCH (LARIX OCCIDENTALIS) (TYPE 212)

WESTERN LARCH IS PREDOMINANT.

ASSOCIATE SPECIES

MOST COMMONLY ASSOCIATES WITH DOUGLAS-FIR, LESS COMMON WITH LODGEPOLE PINE, GRAND FIR, WESTERN WHITE PINE, PONDEROSA PINE, WESTERN REDCEDAR, AND ENGELMANN SPRUCE.

RANGE

NORTHERN WASHINGTON, IDAHO, AND MONTANA.

2) TAMARACK (LARIX LARICINA) (TYPE 38)

TAMARACK IS PURE OR PREDOMINANT.

ASSOCIATE SPECIES

BLACK SPRUCE, WHITE SPRUCE, BALSAM FIR, NORTHERN WHITE-CEDAR, JACK PINE, BALSAM POPLAR, AND MANY HARDWOODS.

RANGE

EASTERN UNITED STATES TO THE LAKE STATES.

16 (CEDAR TYPE)
 == =====

1) WESTERN REDCEDAR OR ALASKA-CEDAR (TYPE 227, 228)

 OCCUR SINGLY AS A PURE STAND OR TOGETHER MAKE UP 80 PERCENT OF A STAND.
 THIS TYPE DOES NOT INCLUDE PORT-ORFORD-CEDAR OR INCENSE-CEDAR.

ASSOCIATE SPECIES

 WESTERN HEMLOCK, WESTERN WHITE PINE, ENGELMANN SPRUCE, AND GRAND FIR IN
 THE NORTHERN ROCKY MOUNTAINS. WEST OF THE CASCADE RANGE ASSOCIATES ARE
 DOUGLAS-FIR, WESTERN HEMLOCK, SITKA SPRUCE, AND GRAND FIR.

RANGE

 NORTHERN IDAHO, WESTERN MONTANA, EASTERN WASHINGTON, AND ALONG THE COAST
 FROM ALASKA TO SOUTHERN OREGON.

2) ATLANTIC WHITE-CEDAR (TYPE 97)

 ATLANTIC WHITE-CEDAR CHARACTERISTICALLY PURE OR PREDOMINANT.

ASSOCIATE SPECIES

 RED MAPLE, GRAY BIRCH, PITCH PINE AND POND PINE.

RANGE

 EAST COAST.

3) NORTHERN WHITE-CEDAR (TYPE 37)

 NORTHERN WHITE-CEDAR IS PURE OR PREDOMINATES.

ASSOCIATE SPECIES

 BALSAM FIR, TAMARACK, AND YELLOW BIRCH.

RANGE

 LAKE STATES AND NORTHEASTERN UNITED STATES.

17 (EASTERN REDCEDAR TYPE)
 == =====

1) EASTERN REDCEDAR (TYPE 46)

 EASTERN REDCEDAR IS PURE OR PREDOMINANT.

ASSOCIATE SPECIES

 IN THE NORTHEAST GRAY BIRCH, RED MAPLE, SWEET BIRCH, QUAKING AND BIGTOOTH
 ASPEN, IN THE OZARKS THEY ARE BLACKJACK OAK, POST OAK, AND SHORTLEAF PINE

RANGE

 SCATTERED THROUGH OUT THE CENTRAL FOREST AND NORTHERN PORTIONS OF THE
 SOUTHERN FOREST.

2) EASTERN REDCEDAR - PINE (TYPE 47)

 EASTERN REDCEDAR AND EITHER SHORTLEAF OR VIRGINIA PINE PREDOMINATE.

ASSOCIATE SPECIES

POST OAK, CHESTNUT OAK, RED OAK, RED MAPLE, AND DOGWOOD.

RANGE

SOUTHERN CENTRAL FOREST EXTENDING INTO THE NORTHERN SOUTHERN FOREST.

3) EASTERN REDCEDAR - HARDWOOD

(TYPE 48,49)

EASTERN REDCEDAR AND SEVERAL HARDWOODS INCLUDING RED AND WHITE OAKS,
HICKORIES, AND BLACK WALNUT PREDOMINATE.

ASSOCIATE SPECIES

SHORTLEAF, LOBLOLLY AND VIRGINIA PINE, HACKBERRY, ASH, WINGED ELM,
BLACK LOCUST, DOGWOOD, BLACKGUM, AND OTHER HARDWOODS.

RANGE

SCATTERED THROUGH THE CENTRAL FOREST AND SOUTH TO MID-ALABAMA,
MISSISSIPPI AND NORTHERN ARKANSAS.

18 (ASPEN TYPE)

(TYPE 11,16,217)

== =====

ASPEN (POPULUS TREMULOIDES) PURE OR PREDOMINANT. IF ASPEN CONSTITUTES LESS
THAN 50 PERCENT OF THE STAND, IT IS CONSIDERED AN ASSOCIATE SPECIES WITHIN
SOME OTHER FOREST TYPE, AS E.G., 06, 13, 01, 03, 07.

19 (LANDSCAPE TYPE)

== =====

TREES USUALLY PLANTED FOR AESTHETIC PURPOSE. CHARACTERISTICALLY OPEN AS IN
WOODLAND GRASS TYPE AND PREDOMINANTLY, BUT NOT ALWAYS, HARDWOOD ORIENTED. MAY
BE EITHER EXOTIC OR NATIVE SPECIES.

20 (STREAM TYPE)

== =====

RATHER NARROW BAND OF TREES USUALLY FOUND ALONG A NARROW WATERWAY.
CHARACTERISTICALLY OCCURS AT HIGHER ALTITUDES. USUALLY HARDWOOD SPECIES AND
USUALLY DIFFERENT FROM SURROUNDING FOREST TYPE. ALSO CALLED RIPARIAN TYPE.

21 (BALDCYPRESS-PONDCYPRESS TYPE)

(TYPE 100,101,

== =====

102)

ONE SPECIES IS USUALLY PREDOMINANT OR PURE. ASSOCIATE SPECIES MAY INCLUDE
TUPELO, BLACKGUM AND OTHER HARDWOODS. FOUND ON SOUTHERN FOREST FLOOD PLAINS AND
SWAMPS.

22 (PALM TYPE)

== =====

ESPECIALLY REFERS TO UPPER LUQUILLO FOREST OF PUERTO RICO WHERE SIERRA PALM IS
VERY COMMON. BY EXTENSION, OTHER PALM FORESTS IF NOT FURTHER IDENTIFIED.

Associates of Softwoods by Species and Location

The following list is intended as an aid to locating or confirming the appropriate forest type code. In this list, applicable type code numbers are given by tree species and location. Species subgroupings, as defined in the preceding forest type descriptions, are shown in parentheses. Symbols for species and location are used for brevity, according to the keys which follow the list. Starred species are a major component of the type for the given location.

CEDAR FAMILY

ALASKA-CEDAR

PNW -- 04 (PSF), 14 (WH), 16 (WRC)

EASTERN REDCEDAR

SE --- 17 (ERC*)

CE --- 17 (ERC*)

INCENSE CEDAR

PNW -- 03 (PDF)

NC --- 01 (PPP), 03 (PDF)

SC --- 01 (JP), 05 (MC)

SN --- 01 (JP, PP-DF, PPP), 05 (MC)

PORT-ORFORD-CEDAR

PNW -- 03 (POC-DF*, PDF), 13 (SS)

NC --- 03 (POC-DF*, PDF), 13 (SS)

WESTERN-REDCEDAR

PNW -- 03 (DF-WH, POC-DF, PDF), 04 (PSF), 14 (WH), 16 (WRC*)

NC --- 02 (RN), 03 (POC-DF, PPF)

NRM -- 01 (WWP), 13 (ES-SF, S,), 15 (WL), 16 (WRC*)

DOUGLAS-FIR

DOUGLAS-FIR

PNW -- 01 (KP, PPP), 03 (PDF*, OF-WH*, POC-DF*), 04 (GF, PSF), 06 (LP)
13 (SS), 14 (WH), 16 (WRC)

MC --- 01 (KP, PPP), 02 (RW), 03 (PDF*, POC-DF*)

SC --- 01 (KP), 05 (MC)

SN --- 01 (PP-DF*, PPP), 04 (WF), 05 (MC), 06 (LP)

NRM -- 01 (PP-L-DF, WWP), 03 (IDF), 04 (GF), 06 (LP), 13 (ES-SF),
14 (WH), 15 (WL)

CRM -- 01 (IPP), 03 (IDF*), 06 (LP), 13 (ES-SF, BS)

SRM -- 01 (IPP), 03 (IDF*), 13 (ES-SF, BS)

BIG-CONE DOUGLAS-FIR

SC --- 01 (JP), 08

FIR

BRISTLECONE

SC --- 08

GRAND

PNW -- 02 (RW), 03 (PDF, POC-OF), 04 (GF*, PSF, WF)
 NRM -- 01 (6WP), 03 (IDF), 04 (GF*), 06 (LP), 13 (ES-SF), 14 (WH),
 15 (WL), 16 (WRC)

NOBLE

PNW -- 03 (PDF, DF-NH), 04 (PSF), 14 (MH-SF, WH)

PACIFIC SILVER

PNW -- 03 (PDF), 04 (PSF*), 13 (SS), 14 (WH, MH-SF)

RED

SN --- 01 (JP, WBP), 04 (RF*), 05 (MC)

SUBALPINE

PNW -- 01 (WBP), 04 (PSF), 06 (LP), 14 (MH-SF*, WH)
 NRM -- 01 (WBP), 03 (IDF), 06 (LP), 13 (ES-SF*), 14 (WH)
 CRM -- 01 (BP), 03 (IDF), 06 (LP), 13 (ES-SF*)
 SRM -- 01 (.NBP), 03 (IDF), 13 (ES-SF*)

WHITE

NC --- 03 (PDF)
 SC --- 01 (JP), 05 (MC)
 SN --- 01 (JP, PP-DF, PPP), 04 (WF*, RF), 05 (MC)
 CRM -- 01 (IPP), 03 (IDF), 13 (BS)
 SRM -- 01 (IPP), 03 (IDF), 13 (BS)

HEMLOCK

MOUNTAIN HEMLOCK

PNW -- 01 (WBP), 04 (PSF), 14 (MH-SF*, WH), 06 (LP)
 SN --- 01 (JP), 04 (RF)
 NRM -- 13 (ES-SF)

WESTERN HEMLOCK

PNW -- 01 (WWP), 02 (RW), 03 (PDF, POF-WH, POC-DF), 04 (PSF), 13 (SS),
 14 (WH*, MH-SF), 16 (WRC)
 NRM -- 01 (WWP), 13 (ES-SF), 14 (WH*), 16 (WRC)

LARCH

SUBALPINE

PNW -- 01 (WBP), 14 (MH-SF)
 NRM -- U1 (WBP)

TAMARACK

NE --- 15 (T*)

WESTERN LARCH

PNW -- 03 (DF-WH), 14 (MH-SF)
 NRM -- 01 (IPP, WWP, PP-L-DF), 03 (IDF), 13 (ES-SF), 15 (WL*)

PINE

APACHE

SRM -- 01

BISHOP

NC --- UI
 SC --- 01

BRISTLECONE

CRM -- 01 (BP*, LMP)

PINE (CONT.)

CHIHUAHUA

SRM -- 01

COULTER

SC --- 01 (KP), 08

DIGGER

NC --- 08

SC --- 08

SN --- 08

FOXTAIL

SN --- 01 (WBP*)

JEFFREY

SC --- 01 (JP*)

SN --- 01 (JP*, PP-OF), 04 (RF), 05 (MC), 07 (J-P)

KNOBCONE

PNW -- 01 (KP*), 03 (POC-OF)

NC --- 01 (KP*), 03 (POC-DF)

LIMBER

NRM -- U1 (LMP*, WBP), 13 (ES-SF)

CRM -- 01 (LMP*, BP, IPP), 03 (IDF), 13 (ES-SF)

SRM -- 01 (LMP*, PP), 03 (IDF), 13 (ES-SF)

LOBLOLLY

SE --- 01, 08

LODGE POLE

PNW -- 01 (WBP), 06 (LP*)

SN --- 01 (JP, WBP), 04 (WF, RF), 06 (LP*), 13 (ES-SF)

NRM -- 01 (WBP, WWP, PP-L-DF), 03 (IDF), 06 (LP*), 07 (J-P), 13 (ES-SF)
15 (WL)

CRM -- 03 (IDF), 06 (LP*), 07 (J-P), 13 (ES-SF)

LONGLLEAF

SE --- 01, 08

MONTEREY

SC --- 01

PINYUN

SC --- 07 (J-P)

CRM -- 07 (J-P)

SRM -- 07 (J-P)

PITCH

NE --- 01, 08

CE --- 01, 08

PONDEROSA

PNW -- 01 (KP), 04 (GF), 06 (LP)

NC --- 01 (KP)

SN --- 01 (PP-DF*, JP), 04 (WF), 05 (MC), 06 (LP), 07 (J-P)

NRM -- 01 (PP-L-DF*, LMP, WWP), 03 (IDF), 04 GF), 06 (LP), 07 (J-P),
15 (WL)

SRM -- 01 (IPP*, LMP), 03 (IDF), 07 (J-P), 13 (BS)

CRM -- 01 (IPP*, LMP, BP), 03 (IDF), 06 (LP), 07 (J-P), 13 (BS)

SHORTLEAF

CE --- 01, 08, 17 (ERC) SE --- 01, 08

SUGAR

PNW -- 01 (PP-DF, PPP), 03 (POC-DF)
 NC --- 01 (PP-DF, PPP), 03 (POC-DF)
 SN --- 01 (PP-DF, PP), 04 (RF, WF), 05 (MC)

TORREY

SC --- 01

WASHOE

SN --- 01 (JP)

AESTERN AHITE

PNW -- 03 (PDF, DF-WH, POC-DF), 04 (GF, PSF), 06 (LP), 14 (WH),
 16 (ARC)
 SN --- 01 (JP), 04 (RF)
 NRM -- 01 (WWP*, IPP, PP-L-DF), 03 (IDF), 04 (GF), 06 (LP), 13 (ES-SF),
 14 (NH), 15 (WL), 16 (WRC)

WHITEBARK

PNW -- 01 (ABP*), 14 (MH-SF)
 SN --- 01 (WBP*, JP), 04 (RF)
 NRM -- 01 (WBP*, LMP), 13 (ES-SF)

SEQUOIA

COAST REDWOOD

NC --- 02 (RW*), 03 (PDF, POC-OF)

GIANT SEQUOIA

SN --- 12*

SPRUCE

BLACK

NE --- 13 (BLKS*, WS), 15 (T)

BLUE

CRM -- 03 (IDF), 11 (BS*)
 SRM -- 03 (IDF), 13 (BS*)

BREWER

NC --- 14

ENGELMANN

PNW -- 04 (PSF), 14 (MH-SF)
 NRM -- 01 (WBP), 03 (IDF), 06 (LP), 13 (ES-SF*), 15 (WL)
 CRM -- 01 (BP), 03 (IDF), 06 (LP), 13 (ES-SF*, BS)
 SRM -- 01 (WBP), 03 (IOF), 13 (ES-SF*, BS)

SITKA

PNW -- 03 (PDF, PDF-WH, POC-DF), 13 (SS*), 14 (MH-SF, WH), 16 (WRC)
 NC --- 02 (RW), 03 (PDF), 13 (SS*)

WHITE

NE --- 01, 13 (WS*)

YEW

PACIFIC YEW

PNW -- 03 (PDF)
 NC --- 03 (PDF)
 SN --- 01 (PP-DF)

=====

SPECIES SYMBOLS

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BLKS	BLACK SPRUCE
BP	BRISTLECONE PINE
BS	BLUE SPRUCE
DF-WH	DOUGLAS-FIR - WESTERN HEMLOCK
ERC	EASTERN REDCEDAR
ES-SF	ENGELMANN SP'RUCE - SUBALPINE FIR
GF	GRAND FIR
IDF	INTERIOR DOUGLAS-FIR
IPP	INTERIOR PONDEROSA PINE
J-P	JUNIPER - PINYON
JP	JEFFREY PINE
KP	KNOBCONE PINE
LMP	LIMBER PINE
LP	LLOGEPOLE PINE
MC	MIXED CONIFER
MH-SF	MOUNTAIN HEMLOCK - SUBALPINE FIR
PDF	PACIFIC DOUGLAS-FIR
POC-DF	PORT-ORFORD-CEDAR - DOUGLAS-FIR
PP-DF	PONDEROSA PINE - DOUGLAS-FIR
PP-L-DF	PONDEROSA PINE - LARCH - DOUGLAS-FIR
PPP	PACIFIC PONDEROSA PINE
PSF	PACIFIC SILVER FIR
RF	RED FIR
RW	REDWOOD
SS	SITKA SPRUCE
T	TAMARACK
WBP	WHITEBARK PINE
WF	WHITE FIR
WH	WESTERN HEMLOCK
WL	WESTERN LARCH
WRC	WESTERN RED CEDAR
WS	WHITE SPRUCE
WWP	WESTERN WHITE PINE

=====

LOCATION SYMBOLS

=====

WESTERN NORTH AMERICA

=====

PACIFIC NORTHWEST (PNW)

WESTERN HALF OF OREGON AND WASHINGTON EXTENDING FROM THE PACIFIC COAST TO THE WESTERN BOUNDARIES OF KLAMATH, DESCHUTES, JEFFERSON, AND WASCO COUNTIES IN OREGON, AND THE WESTERN BOUNDARIES OF BENTON, GRANT AND PERRY COUNTIES OF WASHINGTON.

NORTHERN CALIFORNIA (NC)

COASTAL MOUNTAINS FROM THE OREGON BORDER SOUTH TO SAN FRANCISCO BAY.

SOUTHERN CALIFORNIA (SC)

COASTAL MOUNTAINS FROM SAN FRANCISCO BAY SOUTH TO THE MEXICO BORDER.

SIERRA NEVADA (SN)

SIERRA NEVADA MOUNTAINS OF CALIFORNIA FROM THE CALIFORNIA-OREGON BORDER SOUTH TO THE SOUTHERN BORDER OF KERN COUNTY. THIS REGION IS BOUNDED BY THE CENTRAL VALLEY ON THE WEST AND THE CALIFORNIA-NEVADA BORDER IN THE EAST.

NORTHERN ROCKY MOUNTAINS (NRM)

EASTERN HALF OF OREGON AND WASHINGTON (EASTERN BOUNDARY OF PNW), AND ALSO STATES OF IDAHO, MONTANA AND WYOMING.

CENTRAL ROCKY MOUNTAINS (CRM)

NEVADA, UTAH AND COLORADO.

SOUTHERN ROCKY MOUNTAINS (SRM) -

NFW MEXICO, ARIZONA AND THE SOUTHWESTERN PORTION OF CALIFORNIA (TO THE COASTAL MOUNTAINS IN THE WEST AND THE SIERRA NEVADA MOUNTAINS IN THE NORTH).

EASTERN NORTH AMERICA

=====

FOR A MORE COMPLETE DESCRIPTION OF THE EASTERN FOREST REGIONS SEE THE MAP IN THE SAF 'FOREST COVER TYPES OF NORTH AMERICA' AND SUBSEQUENT TYPE DESCRIPTIONS.

NORTH EASTERN FOREST (NE)

MAINE, NEW HAMPSHIRE, VERMONT, NEW YORK, AND THE NORTHERN PORTIONS OF MINNESOTA, WISCONSIN, MICHIGAN, PENNSYLVANIA AND MASSACHUSETTS.

CENTRAL EASTERN FOREST (CE)

ILLINOIS, INDIANA, OHIO, MISSOURI, KENTUCKY AND TENNESSEE.

SOUTH EASTERN FOREST (SE)

NORTH CAROLINA, SOUTH CAROLINA, GEORGIA, ALABAMA, MISSISSIPPI, ARKANSAS, LOUISIANA, FLORIDA, AND PARTS OF TEXAS AND VIRGINIA.

AGENCY CODES – OUTLINE

Codes have been assigned to agencies and their individual units to permit recall and analysis of information according to agency or unit. The fields 44-48 and 50-51 in the card 1 format are used for this purpose. In general, as shown earlier in the description of card formats, the parent agency is identified by the first two digits, the next subdivision by the third digit, and the following two levels by two digits each in columns 47-48 and 50-51.

In the outline of codes, which is arranged in alphabetic order, the two-digit codes for the agency are shown, followed by zeros. (In a few cases, three digits are used.) The subunit codes are given in the detailed listing which follows the outline, to the extent that specific codes have been assigned. The detailed listing is given in approximate numerical order of codes, so that a particular agency can be located by the general code shown in the outline.

New numbers should be assigned to agency units as they change boundaries, and old numbers should be permanently retired to avoid confusion.

Unique State agency codes are not required for most States because the State identity is separately established in the card format. Thus, when data of a given organization in a given State are to be analyzed (using the FAILURE program), selection is made first for State, and then for Agency.

To code an agency in a State for which the State agencies are not listed in this outline,

1. Use the general code number assigned to the parallel agency in California, if any. In particular, use 52000 00 for the Department of Parks and Recreation of any State. Do not use 52000 00 for any agency other

than Parks and Recreation, or for any level lower than State.

2. If no parallel agency has been assigned a code in California, use the 58000 00 series. Appropriate code numbers for the agency and subunits may be assigned as needed, following the general plan—for example, 5810101 might designate a State agency and subunit in Massachusetts for which there is no parallel in California.

State Parks of some participating States are individually named and numbered in the code (for example, see California State Parks codes). Again, parks in two or more States may have the same code but are always separable by the State code.

It should be noted that for Regional, County, or City organizations, or for Private Property (70000 00), the functional designation is shown in the third column of the field (column 46 on data card 1) using codes shown in the footnote. City identity is defined in the last four columns (47-48 and 50-51) using the GSA *Worldwide Geographic Location Codes* (U.S. General Services Administration, Office of Finance, 1976, 381 p.). The County is already defined in the State and County coding field, and should not be repeated. Regional character of an agency subunit is shown by the code 1 in column 52. Additional functional codes may be added as needed, as illustrated by the examples in the footnote. In conjunction with the State, County, and City codes, these agency codes will permit selection of data for listing or for analysis from the computer data file for any individual public agency below the State level.

AGENCIES -----	CODES -----
AGRICULTURE, U.S. DEPT OF	
FOREST SERVICE	01000 00
OFFICE OF THE GENERAL COUNSEL	75000 00
SOIL CONSERVATION SERVICE	77000 00
 CORPS OF ENGINEERS (U.S. DEPT OF DEFENSE)	 42000 00
 INDIAN TRIBAL LANDS	 03000 00
INTERIOR, U.S. DEPT OF	
INDIAN AFFAIRS, BUREAU OF	03000 00
LAND MANAGEMENT, BUREAU OF	41000 00
NATIONAL PARK SERVICE	02000 00
OUTDOOR RECREATION, BUREAU OF	73000 00
RECLAMATION, BUREAU OF	80000 00
REGIONAL SOLICITOR	02000 002
FISH AND WILDLIFE SERVICE	04000 00

AGENCIES -----	CODES -----
NATIONAL SAFETY COUNCIL	74000 00
PRIVATE PROPERTY	70400 00 ¹
PUBLIC UTILITIES	60000 00
MUNICIPAL UTILITIES - TREE DIVISION	64000 00 ²
REGIONAL, COUNTY, AND CITY AGENCIES	70000 00 ³
DIV OF FORESTRY (CITY OR COUNTY)	70100 00
PARKS AND RECREATION (CITY OR COUNTY)	70100 00
PARKS AND RECREATION (REGIONAL)	70100 00 ¹
PUBLIC WORKS - TREE DIV (CITY OR COUNTY)	70700 00
STATE AGENCIES	
CALIFORNIA	
AGRICULTURE, DEPT OF FOOD AND	51900 00
CONSERVATION, DEPT OF (FORESTRY)	51200 00
	-51600 00
FISH AND GAME, DEPT OF	51800 00
OTHER AGENCIES (STATE)	58000 00
PARKS AND RECREATION, DEPT OF	52000 00
TRANSPORTATION, DEPT OF (HIGHWAYS)	51700 00
COLORADO DEPT OF FISH AND GAME	51800 00
NEVADA STATE PARKS	52000 00
NEW MEXICO STATE PARKS AND RECREATION	52403 00
OREGON	
FORESTRY, DEPT OF	51200 00
PARKS AND RECREATION, DEPT OF	52000 00
UTAH DEPT OF PARKS AND RECREATION	52000 00
WASHINGTON	
NATURAL RESOURCES, DEPT OF	51200 00
PARKS AND RECREATION, DEPT OF	52000 00
OTHER STATE AGENCIES	58000 00
¹ EX: CITY OF BERKELEY, PRIVATE GROUNDS	70403 40
² EX: CASITAS MUNICIPAL WATER DIST., OJAI, CA.	64025 30
³ EX: CITY OF L.A. PARKS + REC	70119 80
CITY OF L.A. STREET TREE DIV	70719 80
COUNTY OF L.A. PARKS + REC	70100 00
EAST BAY REGIONAL PARK DISTRICT	70100 00 ¹
SHASTA COUNTY DEPT OF PUBLIC WORKS	70700 00

NOTE THAT ALTHOUGH CITY AGENCIES GENERALLY ARE CODED IN THE 70000 00 SERIES, MUNICIPAL UTILITIES ARE CODED 64000 00 IN THE CODE SERIES FOR PUBLIC UTILITIES.

AGENCY CODES-DETAIL

Forest Service 01000 00

REGION I - NORTHERN REGION	01100 00	HELENA	01112 00

MONTANA/N.IDAHO/N.DAKOTA/E.WASHINGTON		CANYON FERRY	01112 01
CLEARWATER FOREST	01101 00	HELENA	01112 02
CANYON	01101 02	LINCOLN	01112 03
KELLY CREEK	01101 03	TOWNSEND	01112 04
LOCHSA	01101 04		
PALOUSE	01101 07	KOOTENAI	01113 00
PIERCE	01101 05	CABINET	01113 08
POWELL	01101 06	FISHER RIVER	01113 01
		FORTINE	01113 02
		LIBBY	01113 03
NEZPERCE	01104 00	REXFORD	01113 04
CLEARWATER	01104 01	TROY	01113 05
ELK CITY	01104 03	YAAK	01113 07
MOOSE CREEK	01104 04		
RED RIVER	01104 05	LEWIS + CLARK	01114 00
SALMON RIVER	01104 06	BELT CREEK	01114 01
SELWAY	01104 07	JUDITH	01114 02
		MUSSELSHELL	01114 03
BEAVERHEAD	01106 00	SUN RIVER	01114 04
DILLON	01106 01	TETON	01114 05
MADISON	01106 03	WHITE SULPHUR	01114 06
SHERIDANY	01106 04		
WISDOM	01106 05	LOLO	01115 00
WISE RIVER	01106 06	MISSOULA	01115 02
		NINE MILE	01115 03
BITTERROOT	01107 00	PLAINS	01115 04
DARBY	01107 01	SEELEY LAKE	01115 05
STEVENSVILLE	01107 03	SUPERIOR	01115 07
SULA	01107 04	THOMPSON FALLS	01115 08
WEST FORK	01107 05		
		IDAHO PANHANDLE NF'S	01117 00
CUSTER	01108 00	AVERY	01117 01
ASHLAND	01108 01	BONNERS FERRY	01117 02
BEAR TOOTH	01108 02	FERNAN	01117 03
FORT HONES	01108 03	PRIEST LAKE	01117 04
GRAND RIVER	01108 04	RED IVES	01117 05
MCKENZIE	01108 05	ST. MARIES	01117 06
MEDORA	01108 06	SANDPOINT	01117 07
SHEYENNE	01108 07	WALLACE	01117 08
SIOUX	01108 08		
DEERLODGE	01109 00		
BUTTE	01109 02		
DEERLODGE	01109 03		
JEFFERSON	01109 01		
PHILIPSBURG	01109 04		
FLATHEAD	01110 00		
GLACIER VIEW	01110 04		
HUNGRY HORSE	01110 05		
SPOTTED BEAR	01110 06		
SWAN LAKE	01110 07		
TALLY LAKE	01110 08		
GALLATIN	01111 00		
BIG TIMBER	01111 01		
BOZEMAN	01111 02		
GALLATIN	01111 03		
GARDINER	01111 04		
HEBGEN LAKE	01111 05		
LIVINGSTON	01111 06		

REGION 2 - ROCKY MT. REGION	01200 00	WHITE RIVER	01210 00
-----		ASPEN	01210 01
WYO/COLORADO/S.DAK/NEBR/KANS		BLANCO	01210 02
		DILLON	01210 09
		EAGLE	01210 04
ARAPAHO-ROOSEVELT	01216 00	HOLY CROSS	01210 07
BOULDER	01216 01	RIFLE	01210 08
CLEAR CREEK	01216 02	SOPRIS	01210 10
ESTES PARK	01216 03		
PAWNEE N.G.	01216 04		
POUDRE	01216 05	NEBRASKA	01211 00
REDFEATHER	01216 06	BESSEY	01211 01
SULPHUR	01216 07	BUFFALO GAP NG	01211 08
		FALL RIVER	01211 03
GRAND MESA-UNCOMPAHGRE	01202 00	FT PIERRE NG	01211 06
COLLBRAN	01202 01	OGLALA NG	01211 05
GRAND JUNCT	01202 10	PINE RIDGE	01211 02
MIGUEL	01202 03	PINE RIDGE CCC	01211 07
NORWOOD	01202 05	WALL	01211 04
OURAY	01202 06		
CEBOLLA	01202 07	BLACK HILLS	01212 00
PAONIA	01202 08	BEARLODGE	01212 01
TAYLOR RIVER	01202 09	CUSTER	01212 02
		ELK MTN	01212 03
PIKE-SAN ISABEL	01217 00	HARNEY	01212 04
CARRIZO	01217 01	NEMO	01212 05
CIMARRON NG	01217 02	PACTOLA	01212 06
LEADVILLE	01217 04	SPEARFISH	01212 08
PIKES PEAK	01217 05		
SALIDA	01217 06	BIGHORN	01213 00
SAN CARLOS	01217 07	BUFFALO	01213 01
SOUTH PARK	01217 08	MEDICINE WHEEL	01213 02
SOUTH PLATTE	01217 09	PAINTROCK	01213 03
		TENSLEEP	01213 04
RIO GRANDE	01205 00	TONGUE	01213 05
ALAMOSA	01205 01		
CONEJOS	01205 03	MEDICINE BOW	01214 00
CREEDE	01205 04	BRUSH CREEK	01214 02
DEL NORTE	01205 05	ENCAMPMENT	01214 04
SAGUACHE	01205 06	LARAMIE	01214 09
		LARAMIE PEAK	01214 06
ROUTT	01207 00	SNAKE RIVER	01214 08
BEARS EARS	01207 01	THUNDER BASIN NG	01214 10
HAHNS PEAK	01207 03		
MIDDLE PARK	01207 06	SHOSHONE	01215 00
NORTH PARK	01207 04	CLARKS FORK	01215 01
YAMPA	01207 05	GREYBULL	01215 02
		LANDER	01215 03
SAN JUAN	01209 00	WAPITI	01215 04
ANIMAS	01209 01	WIND RIVER	01215 05
DOLORES	01209 02		
MANCOS	01209 04		
PAGOSA	01209 05		
PIEDRA	01209 06		
PINE	01209 07		

REGION 3 - SOUTHWESTERN REGION 01300 00

NEW MEXICO/ARIZONA

APACHE-SITGREAVES	01313 00
ALPINE	01313 01
BLACK RIVER	01313 02
CHEVELON	01313 03
CLIFTON	01313 04
HEBER	01313 05
LAKE SIDE	01313 06
PINEDALE	01313 07
SPRINGERVILLE	01313 08
COCONINO	01302 00
BEAVER CREEK	01302 01
BLUE RIDGE	01302 02
ELDEN	01302 03
FLAGSTAFF	01302 07
LONG VALLEY	01302 04
MORMON LAKE	01302 05
SEDONA	01302 06
CORONADO	01303 00
DOUGLAS	01303 01
NOGALES	01303 02
SAFFORD	01303 04
SANTA CATALINA	01303 05
SIERRA VISTA	01303 08
KAIBAB	01304 00
CHALENDER	01304 02
NORTH KAIBAB	01304 06
TUSAYAN	01304 04
WILLIAMS	01304 05
PRESCOTT	01305 00
CHINO VALLEY	01305 01
CROWN KING	01305 02
THUMB BUTTE	01305 07
VERDE	01305 05
WALNUT CREEK	01305 06
TONTO	01307 00
CAVE CREEK	01307 01
GLOBE	01307 02
MESA	01307 03
PAYSON	01307 04
PLEASANT VALLEY	01307 05
TONTO BASIN	01307 07
CARSON	01308 00
CANJILON	01308 01
EL RITO	01308 02
JICARILLA	01308-03
PENASCO	01308 04
QUESTA	01308 05
TAOS	01308 06
TRES PIEDRAS	01308 07
CIBOLA	01309 00
BLACK KETTLE	01309 06
KIOWA	01309 07
MAGDALENA	01309 03
MT. TAYLOR	01309 08
MOUNTAINAIR	01309 04
RITA BLANCA	01309 09
SANDIA	01309 05

GILA

BEAVERHEAD	01310 00
BLACK RANGE	01310 01
GLENWOOD	01310 02
LUNA	01310 04
LUNA	01310 09
MIMBRES	01310 05
QUEMADO	01310 10
RESERVE	01310 06
SILVER CITY	01310 07
WILDERNESS	01310 08
LINCOLN	01311 00
CLOUDCROFT	01311 01
GUADALUPE	01311 02
MAYHILL	01311 03
SMOKY BEAR	01311 06
SANTA FE	01312 00
COYOTE	01312 01
CUBA	01312 02
ESPANOLA	01312 03
JEMEZ	01312 07
LAS VEGAS	01312 04
PECOS	01312 05
TESUQUE	01312 06

REGION 4 - INTERMOUNTAIN REGION 01400 00

SO. IDAHO/NEV/UTAH/WEST. WYOMING

BOISE

BOISE	01401	00
CASCADE	01401	03
EMMETT	01401	05
IDAHO CITY	01401	07
LOWMAN	01401	09
MOUNTAIN HOME	01401	10

CARIBOU

MALAO	01402	03
MONTPELIER	01402	04
POCATELLO	01402	05
SODA SPRINGS	01402	06

CHALLIS

CHALLIS	01403	01
LOST RIVER	01403	06
MIDDLE FORK	01403	07
YANKEE FORK	01403	08

PAYETTE

BIG CREEK	01404 01
COUNCIL	01404 03
KRASSEL	01404 05
MCCALL	01404 06
NEW MEADOWS	01404 07
WEISER	01404 09

SALMON

COBALT	01405	01
LEADORE	01405	03
NORTH FORK	01405	04
SALMON	01405	05

SAWT00TH

	01406 00
BURLEY	01406 01
FAIRFIELD	01406 02
KETCHUM	01406 04
SAWTOOTH NRA	01406 09
TWIN FALLS	01406 08

TARGHEE

ASHTON	01407 01
DUBOIS	01407 03
ISLAND PARK	01407 02
PALISADES	01407 04
TETON BASIN	01407 08

HUMBOLDT

	01408 00
ELY	01408 01
JARBIDGE	01408 03
MOUNTAIN CITY	01408 05
RUBY MTNS	01408 09
SANTA ROSA	01408 06
WHITE PINE	01408 08

TOIYABE

AUSTIN	01409	02
BRIDGEPORT	01409	03
CARSON	01409	04
LAS VEGAS	01409	06
TONOPAH	01409	07

ASHLEY

	01410	00
DUCHESNE	01410	02
FLAMING GORGE	01410	03
ROOSEVELT	01410	04
VERNAL	01410	05

DIXIE

CEDAR CITY	01412	01
ESCALANTE	01412	04
PINE VALLEY	01412	06
POWELL	01412	07
TEASDALE	01412	08

FISHLAKE

BEAVER	01413	01
FILLMORE	01413	02
LOA	01413	05
RICHFIELD	01413	08

MANTI-LASAL

FERRON	01414	03
MOAB	01414	05
MONTICELLO	01414	06
PRICE	01414	08
SANPETE	01414	09

UINTA

HEBER	01415	01
PLEASANT GROVE	01415	03
SPANISH FORK	01415	04

WASATCH

EVANSTON	01416	02
KAMAS	01416	03
LOGAN	01416	07
MOUNTAIN VIEW	01416	04
OGDEN	01416	08
SALT LAKE	01416	05
TOOELE	01416	05

BRIDGER-TETON

BIG PINEY	01419	01
BUFFALO	01419	02
GREYS RIVER	01419	03
GROS VENTRE	01419	04
HOBACK	01419	05
KEMMERER	01419	06
PINEDALE	01419	07

REGION 5 - CALIFORNIA REGION	01500 00	SAN BERNARDINO	01511 00
-----		ARROWHEAD	01511 01
CALIFORNIA/HAWAII		BIG BEAR	01511 02
		CAJON	01511 03
ANGELES	01501 00	SAN GORGONIO	01511 04
ARROYO-SEGO	01501 01	SAN JACINTO	01511 05
MT BALDY	01501 02		
SAUGUS	01501 03	SEQUOIA	01512 00
TUJUNGA	01501 04	CANNEL MEADOW	01512 05
VALYERMO	01501 05	GREENHORN	01512 04
CLEVELAND	01502 00	HOT SPRINGS	01512 03
DESCANSO	01502 01	HUME LAKE	01512 01
PALOMAR	01502 02	TULE RIVER	01512 02
TRABUCO	01502 03		
ELDORADO	01503 00	SHASTA-TRINITY	01513 00
AMADOR	01503 01	BIG BAR	01513 01
GEORGETOWN	01503 03	HAYFORK	01513 03
PACIFIC	01503 05	MCCLLOUD	01513 04
PLACERVILLE	01503 06	MT SHASTA	01513 05
INYO	01504 00	SHASTA LAKE	01513 06
MAMMOTH	01504 01	WEAVERVILLE	01513 07
MONO LAKE	01504 02	YOLLA BOLLA	01513 08
MT WHITNEY	01504 03	SIERRA	01514 00
WHITE MTN	01504 04	BASS LAKE	01514 01
KLAMATH	01505 00	KINGS RIVER	01514 03
GOOSENEST	01505 02	MARIPOSA	01514 04
HAPPY CAMP	01505 03	MINARETS	01514 05
OAK KNOLL	01505 04	PINERIDGE	01514 07
SALMON RIVER	01505 05		
SCOTT RIVER	01505 06	SIX RIVERS	01515 00
UKONOM	01505 08	GASQUET	01515 01
LASSEN	01506 00	LOWER TRINITY	01515 05
ALMANOR	01506 01	MAD RIVER	01515 02
EAGLE LAKE	01506 07	ORLEANS	01515 03
HAT CREEK	01506 03	STANISLAUS	01516 00
		CALAVERAS	01516 01
LOS PADRES	01507 00	GROVELAND	01516 02
MONTEREY	01507 02	MI-WOK	01516 03
MT PINOS	01507 03	SUMMIT	01516 04
OJAI	01507 04	TAHOE	01517 00
SANTA BARBARA	01507 06	DOWNIEVILLE	01517 03
SANTA LUCIA	01507 07	FORESTHILL	01517 04
MENDOCINO	01508 00	NEVADA CITY	01517 05
CORNING	01508 01	SIERRAVILLE	01517 06
COVELO	01508 02	TRUCKEE	01517 07
STONYFORD	01508 03		
UPPER LAKE	01508 05	LAKE TAHOE BASIN MGMT UNIT	01518 00
MODOC	01509 00		
BIG VALLEY	01509 01		
DEVIL'S GARDEN	01509 02		
DOUBLEHEAD	01509 03		
WARNER MOUNTAIN	01509 07		
PLUMAS	01510 00		
BECKWOURTH	01510 01		
GREENVILLE	01510 02		
LAPORTE	01510 03		
MILFORD	01510 05		
QUINCY	01510 06		
OROVILLE	01510 07		

REGION 6 - PACIFIC NORTHWEST REGION 01600 00

OREGON/WASHINGTON

DESCHUTES	01601 00
BEND	01601 01
CRESCENT	01601 02
FORT ROCK	01601 03
SISTERS	01601 04
FREMONT	01602 00
BLY	01602 01
LAKEVIEW	01602 02
PAISLEY	01602 03
SILVER LAKE	01602 04
MALHEUR	01603 00
BEAR VALLEY	01603 01
BURNS	01603 02
LONG CREEK	01603 03
PRAIRIE CITY	01603 04
MT HOOD	01604 00
BARLOW	01604 01
BEAR SPRINGS	01604 02
CLACKAMAS	01604 09
COLUMBIA GORGE	01604 04
ESTACADA	01604 05
HOOD RIVER	01604 06
ZIGZAG	01604 08
OCHOCO	01605 00
BIG SUMMIT	01605 01
BURNS FIRE ZONE	01605 06
CROOKED RIVER NG	01605 05
PAULINA	01605 02
PRINEVILLE	01605 03
SNOW MOUNTAIN	01605 04
ROGUE RIVER	01606 00
APPLGATE	01606 01
ASHLAND	01606 02
BUTTE FALLS	01606 03
PROSPECT	01606 04
SISKIYOU	01607 00
CHETCO	01607 01
GALICE	01607 02
GOLD BEACH	01607 03
ILLINOIS VALLEY	01607 04
POWERS	01607 05
SIUSLAW	01608 00
ALSEA	01608 01
HEBO	01608 02
MAPLETON	01608 03
WALDPORT	01608 05
OREGON DUNES NRA	01608 36
UMATILLA	01609 00
DALE	01609 01
HEPPNER	01609 02
PENDLETON	01609 03
POMEROY	01609 04
UKIAH	01609 05
WALLA WALLA	01609 06
UMPOUA	01610 00
COTTAGE GROVE	01610 01
DIAMOND LAKE	01610 02
GLIDE	01610 03
STEAMBOAT	01610 05
TILLER	01610 06

WALLOWA-WHITMAN	01611 00
BAKER	01611 01
BEAR-SLEDS	01611 02
CHESNIMNUS	01611 03
JOSEPH	01611 04
LAGRANDE	01611 05
PINE	01611 06
UNION	01611 07
UNITY	01611 08
WILLAMETTE	01612 00
BLUE RIVER	01612 01
DETROIT	01612 02
LOWELL	01612 03
MCKENZIE	01612 04
OAKRIDGE	01612 06
RIGDON	01612 07
SWEET HOME	01612 08
WINEMA	01613 00
CHEMULT	01613 01
CHILOQUIN	01613 02
KLAMATH	01613 03
GIFFORD PINCHOT	01614 00
ST HELENS	01614 01
MT ADAMS	01614 03
PACKWOOD	01614 04
RANDLE	01614 05
WIND RIVER	01614 06
OKANOGAN	01616 00
CONCONCULLY	01616 01
TONASKET	01616 02
TWISP	01616 03
WINTHROP	01616 04
OLYMPIC	01617 00
HOODSPORT	01617 01
QUILCENE	01617 02
QUINAULT	01617 03
SHELTON	01617 04
SOLEDUCK	01617 05
WENATCHEE	01619 00
CHELAN	01619 01
CLE ELUM	01619 02
ELLENSBURG	01619 03
ENTIAT	01619 04
LAKE WENATCHEE	01619 05
LEAVENWORTH	01619 06
NACHES	01619 07
TIETON	01619 08

COLVILLE	01620 00
COLVILLE	01620 01
KETTLE FALLS	01620 02
NEWPORT	01620 05
REPUBLIC	01620 03
SULLIVAN LAKE	01620 04
MT BAKER-SNOQUALMIE	01621 00
BAKER RIVER	01621 01
DARRINGTON	01621 02
GLACIER	01621 03
MONTE CRISTO	01621 04
NORTH BEND	01621 05
SKYKOMISH	01621 06
WHITE RIVER	01621 07

REGION 8 - SOUTHERN REGION	01800 00

ALABAMA	

WILLIAM B BANKHEAD	01801 00
BANKHEAD	01801 01
BLACK WARRIOR	01801 02
CONECUH	01802 00
CONECUH	01802 01
TALLADEGA	01803 00
OAKMULGEE	01803 01
SHOAL CREEK	01803 02
TALLADEGA	01803 03
TUSKEGEE	01804 00
TUSKEGEE	01804 01
ARKANSAS	

OUACHITA	01805 00
CADDO	01805 01
CHOCTAW	01805 02
COLD SPRINGS	01805 03
FOURCHE	01805 04
JESSIEVILLE	01805 05
KLAMICHI	01805 06
MENA	01805 07
ODEN	01805 08
POTEAU	01805 09
TIAM	01805 10
WINONA	01805 11
WOMBLE	01805 12
OZARK AND ST FRANCIS	01806 00
OZARK	01807 00
BAYOU	01807 01
BOSTON MT	01807 02
BUFFALO	01807 03
MT MAGAZINE	01807 04
PLEASANT HILL	01807 05
SYLAMORE	01807 07
ST FRANCIS	01808 00
ST FRANCIS	01808 01
FLORIDA	

APALACHICOLA	01809 00
APALACHICOLA	01809 01
WAKULLA	01809 02
OCALA	01810 00
LAKE GEORGE	01810 01
SEMINOLE	01810 02
OSCEOLA	01811 00
OSCEOLA	01811 01

GEORGIA

CHATTAHOOCHEE	01812 00
ARMUCHEE	01812 01
BRASSTOWN	01812 02
CHATTOOGA	01812 03
CHESTATEE	01812 04
COHUTTA	01812 05
TALLULAH	01812 06
TOCCOA	01812 07
OCONEE	01813 00
OCONEE	01813 01

KENTUCKY

DANIEL BOONE	01814 00
BEREA	01814 01
LONDON	01814 02
MOREHEAD	01814 03
REDBIRD	01814 04
SOMERSET	01814 05
STANTON	01814 06
STEARNS	01814 07

LOUISIANA

KISATCHIE	01815 00
CANEY	01815 01
CATAHOULA	01815 02
EVANGELINE	01815 03
KISATCHIE	01815 04
VERNON	01815 05
WINN	01815 06
S+PF SITES	01815 10

MISSISSIPPI

BIENVILLE	01816 00
BIENVILLE	01816 01
STRONG RIVER	01816 02
DELTA	01817 00
DELTA	01817 01
DESOTO	01818 00
BILOXI	01818 01
BLACK CREEK	01818 02
CHICKASAWNAY	01818 03
HOLLY SPRINGS	01819 00
HOLLY SPRINGS	01819 01
HOMOCHITTO	01820 00
BODE	01820 01
HOMOCHITTO	01820 02
TOMBIGBEE	01821 00
TOMBIGBEE	01821 01

NORTH CAROLINA

CROATAN	01822 00
CROATAN	01822 01
NANTAHALA	01823 00
CHEOAH	01823 01
HIGHLAND	01823 02
TUSOUITTEE	01823 03
WAYAH	01823 04
PISGAH	01824 00
FRENCH BROAD	01824 01
GRANDFATHER	01824 02
PISGAH	01824 03
TOECANE	01824 04
UWHARRIE	01825 00
UWHARRIE	01825 01

PUERTO RICO

CARIBBEAN	01837 00
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SOUTH CAROLINA

FRANCIS MARIAN AND SUMTER NF	01826 00
FRANCIS MARIAN	01827 00
WAMBAW	01827 02
WITHERBEE	01827 03
SUMTER	01828 00
ANDREW PICKENS	01828 01
EDGEFIELD	01828 02
ENOREE	01828 03
LONG CANE	01828 04
TYGER	01828 05

TENNESSEE

CHEROKEE	01829 00
HIWASSEE	01829 01
NOLICHUCKY	01829 02
OCOE	01829 03
TELLICO	01829 04
UNAKA	01829 05
WATAUGA	01829 06

TEXAS

ANGELINA	01831 01
ANGELINA	01831 01
DAVY CROCKETT	01832 00
NECHES	01832 01
TRINITY	01832 02
SABINE	01833 00
TENAHA	01833 01
YELLOWPINE	01633 02
SAM HOUSTON	01834 00
RAVEN	01834 02
SAN JACINTO	01834 03

48 REGION 8 - SOUTHERN REGION (CONT.)

VIRGINIA

GEORGE WASHINGTON	01835 00
DEERFIELD	01835 02
DRY RIVER	01835 03
JAMES RIVER	01835 04
LEE	01835 05
PEDLAR	01835 06
WARM SPRINGS	01835 07
JEFFERSON	01836 00
BLACKSBURG	01836 01
CLINCH	01836 02
GLENWOOD	01836 03
MT ROGERS NRA	01836 07
NEW CASTLE	01836 05
WYTHE	01836 06

REGION 9 - EASTERN REGION

01900 00

N.EAST/GREAT LAKES

SHAWNEE	01901 00
ELIZABETHTOWN	01901 01
JONESBORO)	01901 02
MURPHYSBORO	01901 03
VIENNA	01901 04
WAYNE-HOOSIER	01902 00
ATHENS	01902 03
BROWNSTOWN	01902 01
IRONTON	01902 04
TELL CITY	01902 02
HIAWATHA	01903 00
EASTERN C+M UNIT	01903 02
MANISTIQUE	01903 03
MUNISING	01903 04
RAPID RIVER	01903 05
ST IGNACE	01903 06
SAULT STE. MARIE	01903 07
WESTERN C+M UNIT	01903 01
HURON-MANISTEE	01904 00
BALDWIN	01904 01
CADILLAC	01904 02
HARRISVILLE	01904 03
MANISTEE	01904 04
MID	01904 05
TAWAS	01904 06
WHITE CLOUD	01904 07
OTTAWA	01905 00
BERGLAND	01905 01
BESSEMER	01905 02
EASTERN ENG UNIT	01905 07
IRON RIVER	01905 03
KENTON	01905 04
ONTONAGON	01905 05
WATERSMEET	01905 06
WESTERN ENG UNIT	01905 08
CHIPPEWA	01906 00
BLACKOUCK	01906 02
CASS LAKE	01906 03
DEER RIVER	01906 10
MARCELL	01906 05
NORTH C+M UNIT	01906 08
SOUTH C+M UNIT	01906 09
WALKER	01906 07
SUPERIOR	01907 00
AURORA	01907 07
EASTERN C+M UNIT	01907 01
GUNFLINT	01907 08
ISABELLA	01907 10
KAWISHIWI	01907 11
LA CROIX	01907 12
NORTHERN C+M UNIT	01907 02
SOILS UNIT	01907 05
SOUTHERN C+M UNIT	01907 03
TOFTE	01907 13
TWO HARBORS	01907 14
VIRGINIA	01907 15
WATERSHED UNIT	01907 06

MARK TWAIN	01909 00	REGION 10- ALASKA REGION	01700 00
AVA	01909 01	-----	
CASSVILLE	01909 02	ALASKA	
CEDAR CRK LU PROJ	01909 13		
DONIPHAN	01909 03	CHUGACH	01701 00
FREDERICKTOWN	01909 07	WORK CENTER	01701 04
HOUSTON	01909 08	(ANCHORAGE)	
POPLAR BLUFF	01909 09	TONGAS	01704 00
POTOSI	01909 10	CHATHAM AREA	01704 01
ROLLA	01909 11	KETCHIKAN AREA	01704 02
SALEM	01909 12	STIKINE AREA	01704 03
VAN BUREN	01909 04		
WILLOW SPRINGS	01909 05		
WINONA	01909 06		
WHITE MOUNTAIN	01910 00		
AMMONOOSUC	01910 01		
ANDROSCOGGIN	01910 02		
EVANS NOTCH	01910 03		
PEMIGEWASSET	01910 04		
SACO	01910 05		
ALLEGHENY	01911 00		
BRADFORD	01911 01		
MARIENVILLE	01911 02		
RIDGEWAY	01911 03		
SHEFFIELD	01911 04		
GREEN MOUNTAIN	01912 00		
HECTOR LU AREA	01912 04		
MANCHESTER	01912 01		
MIDDLEBURY	01912 02		
ROCHESTER	01912 03		
MONONGAHELA	01913 00		
CHEAT	01913 01		
GAULEY	01913 02		
GREENBRIAR	01913 03		
MARLINTON	01913 04		
POTOMAC	01913 05		
WHITE SULPHUR	01913 06		
CHEQUAMEGON	01914 00		
GLIDDEN	01914 01		
HAYWARD	01914 02		
MEDFORD	01914 03		
PARK FALLS	01914 04		
WASHBURN	01914 05		
NICOLET	01915 00		
EAGLE RIVER	01915 02		
FLORENCE	01915 03		
LAKEWOOD	01915 04		
LAONA	01915 05		
THREE LAKES	01915 01		

National Park Service

02000 00

BY REGION			

WESTERN REGION	02100 00	ROCKY MOUNTAIN REGION	02400 00
-----		-----	
CHANNEL ISLANDS NM	02138 00	ARCHES NP	02419 00
CHIRICAHUA NM	02113 00	BIGHORN CANYON NRA	02414 00
DEATH VALLEY NM	02139 00	BRYCE CANYON NP	02406 00
GRAND CANYON NP	02101 00	CAPITOL REEF NP	02410 00
HALEAKALA NP	02135 00	CEDAR BREAKS NM	02407 00
HAWAII VOLCANOES NP	02136 00	DEVIL'S TOWER NM	02404 00
LAKE MEAD NRA	02141 00	DINOSAUR NM	02405 00
LASSEN VOLCANIC NP	02124 00	GLACIER NP	02413 00
MONTEZUMA CASTLE NM	02117 00	GRAND TETON NP	02401 00
MUIR WOODS NM	02131 00	GREAT SAND DUNES NM	02411 00
PINNACLES NM	02132 00	MESA VERDE NP	02408 00
POINT REYES NS	02133 00	PIPE SPRING NP	02418 00
SAGUARO NM	02119 00	ROCKY MOUNTAIN NP	02403 00
SEQUOIA-KINGS NP	02122 00	TIMPANAGOS CAVE NM	02412 00
LOOSEPOLE RAN. STA.	02122 01	WATERTON-GLACIER	02415 00
TONTO NM	02145 00	INTERNATIONAL PEACE PRK	02415 00
TUMACACORI NM	02143 00	WATERTON LAKES NP	02416 00
WALNUT CANYON NM	02144 00	WIND CAVE NP	02417 00
YOSEMITE NP	02121 00	YELLOWSTONE NP	02402 00
WHISKEYTOWN-SHASTA-TRINITY NRA	02134 00	NOTE- COUNTY = 024 FOR	
REDWOOD NATL PARK	02142 00	YELLOWSTONE N P	
NORTH DISTRICT	02142 01	ZION NP	02409 00
PACIFIC NORTHWEST REGION	02600 22	MID ATLANTIC REGION -	02500 00
-----		-----	
COULEE DAM NRA	02601 22		
CRATER LAKE NP	02602 22		
CRATERS OF THE MOON NM	02603 22	SOUTHEAST REGION	02700 00
GLACIER BAY NM	02640 22	-----	
KATMAI NM	02607 22		
LAKE CHELAN NRA	02608 22		
LAVA BEDS NM	02637 22		
MOUNT MCKINLEY NP	02604 22		
MOUNT RAINIER NP	02605 22		
NORTH CASCADES NP	02612 22	NORTH ATLANTIC REGION	02800 00
OLYMPIC NP	02606 22	-----	
OREGON CAVES NM	02609 22		
ROSS LAKE NRA	02610 22		
SAN JUAN ISLAND NHP	02647 22		
SITKA NHP	02611 22		
WHITMAN MISSION NHS	02646 22		
MIDWEST REGION	02200 00	NATIONAL CAPITAL	02900 00
-----		-----	
OZARK NAT. SCENIC RIVERWAYS	02211 00		
SOUTHWEST REGION	02300 00		

BANDELIER NM	02310 00		
BIG BEND NP	02302 00		
CAPULIN MOUNTAIN NM	02312 00		
CARLSBAD CAVERNS NP	02304 00		
CHICKASAW NRA	02321 00		
FORT DAVIS NHS	02314 00		
GILA CLIFF DWELLINGS NM	02315 00		
GUADALUPE MTNS NP	02306 00		
PLATT NP-ARBUCKLE	02308 00		
SUNSET CRATER NM	02320 00		

NUMERIC 02000 00

REGIONAL SOLICITOR		02000 002		
GRAND CANYON NP	02101 00		BRYCE CANYON NP	02406 00
CHIRICAHUA NM	02113 00		CEDAR BREAKS NM	02407 00
MONTEZUMA CASTLE NM	02117 00		MESA VERDE NP	02408 00
SAGUARO NM	02119 00		ZION NP	02409 00
YOSEMITE NP	02121 00		CAPITOL REEF NP	02410 00
SEQUOIA-KINGS NP	02122 00		GREAT SAND DUNES NM	02411 00
LODGEPOLE RAN. STA.	02122 01		TIMPANAGOS CAVE NM	02412 00
LASSEN VOLCANIC NP	02124 00		GLACIER NP	02413 00
MUIR WOODS NM	02131 00		BIGHORN CANYON NRA	02414 00
PINNACLES NM	02132 00		WATERTON-GLACIER	02415 00
POINT REYES NS	02133 00		INTERNATIONAL PEACE PRK	02415 00
WHISKEYTOWN-SHASTA-TRINITY NRA	02134 00		WATERTON LAKES NP	02416 00
HALEAKALA NP	02135 00		WIND CAVE NP	02417 00
HAWAII VOLCANOES NP	02136 00		PIPE SPRING NM	02418 00
CHANNEL ISLANDS NM	02138 00		ARCHES NP	02419 00
DEATH VALLEY NM	02139 00		COULEE DAM NRA	02601 22
LAKE MEAD NRA	02141 00		CRATER LAKE NP	02602 22
REDWOOD NATL PARK	02142 00		CRATERS OF THE MOON NM	02603 22
NORTH UISTRICK	02142 01		MOUNT MCKINLEY NP	02604 22
TUMACACORI NM	02143 00		MOUNT RAINIER NP	02605 22
WALNUT CANYON NM	02144 00		OLYMPIC NP	02606 22
TONTO NM	02145 00		KATMAI NM	02607 22
OZARK NAT. SCENIC RIVERWAYS	02211 00		LAKE CHELAN NRA	02608 22
BIG BEND NP	02302 00		OREGON CAVES NM	02609 22
CARLSBAD CAVERNS NP	02304 00		ROSS LAKE NRA	02610 22
GUADALUPE MTNS NP	02306 00		SITKA NHP	02611 22
PLATT NP-ARBUCKLE	02308 00		NORTH CASCADES NP	02612 22
BANDELIER NM	02310 00		LAVA BEDS NM	02637 22
CAPULIN MOUNTAIN NM	02312 00		GLACIER BAY NM	02640 22
FORT DAVIS NHS	02314 00		WHITMAN MISSION NHS	02646 22
GILA CLIFF DWELLINGS NM	02315 00		SAN JUAN ISLAND NHP	02647 22
SUNSET CRATER NM	02320 00			
CHICKASAW NRA	02321 00			
GRAND TETON NP	02401 00			
YELLOWSTONE NP	02402 00			
ROCKY MOUNTAIN NP	02403 00			
DEVIL'S TOWER NM	02404 00			
DINOSAUR NM	02405 00			

Bureau of Indian Affairs/Indian Tribal Lands

03000 00

SACRAMENTO AREA	03101 00	ABERDEEN AREA	03613 00
PORTLAND AREA	03202 00	STANDING ROCK	03613 01
PHOENIX AREA	03307 00	WINNEBAGO	03613 02
UINTAH AND OURAY	03900 00	FT TOTTON	03613 03
		ROSEBUD	03613 04
NAVAJO AREA	03407 00		
ALBUQUERQUE AREA	03511 00	BILLINGS AREA	03708 00
ZUNI	03511 01	JUNEAU AREA	03821 00
NORTHERN PUEBLOS	03511 02		
SOUTHERN UTE	03905 00		

NOTE: FOR CONVENIENCE, OFFICES OF THE BUREAU OF INDIAN AFFAIRS ARE CODED IN THE SAME SERIES AS THAT DESIGNATED FOR SITES ON AMERICAN INDIAN TRIBAL LANDS.

*Fish and Wildlife Service**04000 00*

REGION 1	04100 00	OREGON	04102 00
		CAPE MEARES NWR	04102 01
		COLD SPRINGS NWR	04102 02
CALIFORNIA	04101 00	HART MT NAT ANTELOPE REF	04102 03
CLEAR LAKE NWR	04101 01	KLAMATH FOREST NWR	04102 04
COLUSA NWR	04101 02	MALHEUR FOREST NWR	04102 05
HAVASU NWR	04101 03	MCKAY CREEK NWR	04102 06
IMPERIAL NWR	04101 04	OREGON ISLANDS NWR	04102 07
KERN NWR	04101 05	THREE ARCH ROCKS NWR	04102 08
LOWER KLAMATH NWR	04101 06	UMATILLA NWR	04102 09
MERCED NWR	04101 07	UPPER KLAMATH NWR	04102 10
MODOC NWR	04101 08	WILLIAM L. FINLEY NWR	04102 11
PIXLEY NWR	04101 09		
SACRAMENTO NWR	04101 10		
SALTON SEA NWR	04101 11		
SUTTER NWR	04101 12		
TULELAKE NWR	04101 13		
		WASHINGTON	04103 00
IDAHO	04104 00	COLOMBIA NWR	04103 01
CAMAS NWR	04104 01	COPALIS NWR	04103 02
DEER FLAT NWR	04104 02	DUNGENESS NWR	04103 03
MINIDOKA NWR	04104 03	FLATTERY ROCKS NWR	04103 04
SNAKE RIVER NWR	04104 04	JONES ISLAND NWR	04103 05
		LITTLE PEND OREILLE NWR	04103 06
MONTANA	04108 00	MATIA ISLAND NWR	04103 07
BENTON LAKE OR	04108 01	MCNARY NW MANAGEMENT AREA	04103 08
BLACK COULEE OR	04108 02	QUILLAYUTE NEEDLES NWR	04103 09
BOWDOIN OR	04108 03	SAN JUAN NWR	04103 10
CREEDMAN COULEE OR	04108 04	SMITH ISLAND NWR	04103 11
FORT PECK GAME RANGE	04108 05	TWIN BULL NWR	04103 12
HAILSTONE OR	04108 06	WILLAPA NWR	04103 13
HALFBREED LAKE OR	04108 07		
HEWITT LAKE OR	04108 08		
LAMESTEER OR	04108 09		
MASON LAKE OR	04108 10		
MEDICINE LAKE OR	04108 11		
NATIONAL BISON RANGE	04108 12		
NINE PIPE OR	04108 13		
PABLO OR	04108 14		
PISHKUN OR	04108 15		
RED ROCK LAKES OR	04108 16		
THIBADEAU LAKE OR	04108 17		
WILDHORSE NWR	04108 18		
WILLOW CREEK OR	04108 19		
RAVALLI NWR	04108 20		
MOISE BISON RANGE	04108 21		
		REGION 2	04200 00

NEVADA	04105 00	ARIZONA	04207 00
ANAHO ISLAND NOR	04105 01	CABEZA PRIETA GAME RANGE	04207 01
DESERT GAME RANGE NWR	04105 02	HAVASU LAKE NWR	04207 02
FALLON NWR	04105 03	KOFA GAME REFUGE	04207 03
RUBY LAKE NWR	04105 04	SALT RIVER NWR	04207 04
CHARLES SHELDON ANTELOPE REF	04105 05		
STILLWATER NWR	04105 06		
WINNEMUCCA NWR	04105 07		
		COLORADO	04210 00
		MONTE VISTA NWR	04210 01

KANSAS	04215 00	REGION 3	04300 00
KIRWIN NAT WL MGMT AREA	04215 01	-----	
QUIVIRA NWR	04215 02	IOWA	04319 00
		DESOTO NWR	04319 01
		MARK TWAIN NWR	04319 02
NEW MEXICO	04211 00	UNION SLOUGH NWR	04319 03
BITTER LAKE NWR	04211 01	UPPER MISSISSIPPI R WFR	04319 04
BOSQUE DEL APACHE NWR	04211 02		
BURFORD LAKE NWR	04211 03	MINNESOTA	04318 00
SAN ANDREAS NWR	04211 04	MILLE LACS NWR	04318 01
		MUD LAKE NOR	04318 02
		RICE LAKE NWR	04318 03
		TAMARAC NWR	04318 04
		UPPER MISSISSIPPI R NAT WFR	04318 05
OKLAHOMA	04216 00		
SALT PLAINS NWR	04216 01	MISSOURI	04320 00
TISHOMINGO NWR	04216 02	MINGO NWR	04320 01
WASHITA NWR	04216 03	SQUAW CREEK NWR	04320 02
WICHITA MTNS NWR	04216 04	SWAN LAKE NWR	04320 03
TEXAS	04217 00	NEBRASKA	04314 00
ARANSAS WA	04217 01	CRESCENT LAKE NWR	04314 01
BUFFALO LAKES WA	04217 02	FORT NIOBRARA NWR	04314 02
HAGERMAN WA	04217 03	N. PLATTE VALLEY BIRD REF	04314 03
LAGUNA ATASCOSA WA	04217 04	VALENTINE NWR	04314 04
MULESHOE WA	04217 05		
SANTA ANA WA	04217 06		
		NORTH DAKOTA	04312 00
		ARROWWOOD NWR	04312 01
UTAH	04206 00	CHASE LAKE NWR	04312 02
BEAR R MIGRATORY BIRD REF	04206 01	DES LACS NWR	04312 03
FISH SPRINGS NWR	04206 02	LAKE ILO NWR	04312 04
LOCOMOTIVE SPRINGS NWR	04206 03	LONG LAKE NWR	04312 05
OURAY NWR	04206 04	LOSTWOOD NWR	04312 06
		LOWER SOURIS NWR	04312 07
		SLADE NWR	04312 08
		SNAKE CREEK NWR	04312 09
		SULLYS HILL NAT GAME PRES	04312 10
		TEWAUKON NWR	04312 11
		UPPER SOURIS NWR	04312 12
WYOMING	04209 00	SOUTH DAKOTA	04313 00
BAMFORTH NWR	04209 01	LAKE ANDES	04313 01
HUTTON LAKE NWR	04209 02	BELLE FOURCHE NWR	04313 02
NATIONAL ELK REFUGE	04209 03	LA CREEK NWR	04313 03
PATHFINDER NWR	04209 04	SAND LAKE NWR	04313 04
		WAUBAY NWR	04313 05

REGION 4 04400 00

ARKANSAS	04423 00
BIG LAKE NWR	04423 01
HOLLA BEND NWR	04423 02
WAPANOCCA NWR	04423 03
WHITE RIVER NWR	04423 04

LOUISIANA	04424 00
BRETON ISLANDS NWR	04424 01
CATAHOULA NWR	04424 02
DELTA NWR	04424 03
EAST TIMBALIER NWR	04424 04
LACASSINE NWR	04424 05
SABINE NWR	04424 06
SHELL KEYS NWR	04424 07

REGION 5 04500 00

REGION 6 04600 00

ALASKA	04621 00
ALEUTIAN NWR	04621 01
ARTIC NWR	04621 02
BERING SEA NWR	04621 03
BOGOSLOF NWR	04621 04
CHAMISSO NWR	04621 05
CLARENCE RHODE NWR	04621 06
FORRESTER ISLAND NWR	04621 07
HAZEN BAY NWR	04621 08
HAZY ISLAND NWR	04621 09
IZEMBEC BAY NWR	04621 10
KENAI NWR	04621 11
KODIAK NWR	04621 12
NUNIVAK NWR	04621 13
PRIBILOF ISLANDS RES NWR	04621 14
SEMIDI NWR	04621 15
SIMEONOF NWR	04621 16
ST. LAZARIA NWR	04621 17
TUXEDNI NWR	04621 18

*Bureau of Land Management**41000 00*

REGION 1	41100 00	REGION 2	41200 00
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CALIFORNIA ST OFF	41101 00	UTAH-STATE OFFICE	41201 00
BAKERSFIELD OFFICE	41101 01	CEDAR CITY DIST OFF	41201 01
REDDING DIST OFF	41101 02	FILLMORE DIST OFF	41201 02
RIVERSIDE DIST OFF	41101 03	KANAB DIST OFFICE	41201 03
SUSANVILLE DIST OFF	41101 04	MONTICELLO DIST OFF	41201 04
UKIAH DIST OFFICE	41101 05	PRICE DIST OFFICE	41201 05
FOLSOM DIST OFFICE	41101 06	RICHFIELD DIST OFF	41201 06
		SALT LAKE DIST OFF	41201 07
		VERNAL DIST OFFICE	41201 08
OREGON + WASHINGTON		ARIZONA ST OFFICE	41202 00
STATE OFFICE	41102 00	ARIZONA STRIP OFF	41202 01
BAKER DIST OFFICE	41102 01	PHOENIX DIST OFFICE	41202 02
BURNS DIST OFFICE	41102 02	SAFFORD DIST OFFICE	41202 03
COOS BAY DIST OFF	41102 03		
EUGENE DIST OFFICE	41102 04	MONTANA ST OFFICE	41203 00
LAKEVIEW DIST OFF	41102 05	BILLINGS DIST OFF	41203 01
MEDFORD DIST OFF	41102 06	DILLON DIST OFFICE	41203 02
PRINEVILLE DIST OFF	41102 07	LEWISTOWN DIST OFF	41203 03
ROSEBURG DIST OFF	41102 08	MALTA DIST OFFICE	41203 04
SALEM DIST OFFICE	41102 09	MILES CITY DIST OFF	41203 05
SPOKANE DIST OFFICE	41102 10	MISSOULA DIST OFF	41203 06
VALE DIST OFFICE	41102 11		
IDAHO STATE OFFICE	41103 00	WYOMING ST OFFICE	41204 00
BOISE DIST OFFICE	41103 01	CASPER DIST OFFICE	41204 01
BURLEY DIST OFFICE	41103 02	LANDER DIST OFFICE	41204 02
COEUR D'ALENE OFF	41103 03	PINEDALE DIST OFF	41204 03
IDAHO DIST OFFICE	41103 04	RAWLINS DIST OFFICE	41204 04
SALMON DIST OFFICE	41103 05	ROCK SPRINGS OFFICE	41204 05
SHOSHONE DIST OFF	41103 06	WORLAND 01ST OFFICE	41204 06
NEVADA ST OFFICE	41104 00	COLORADO ST OFFICE	41205 00
BATTLE MTN DIST OFF	41104 01	CANON CITY DIST OFF	41205 01
CARSON CITY OFFICE	41104 02	CRAIG DIST OFFICE	41205 02
ELKO DIST OFFICE	41104 03	GLENWOOD SPRINGS	41205 03
ELY DISTRICT OFFICE	41104 04	GRAND JUNCTION OFF	41205 04
LAS VEGAS DIST OFF	41104 05	MONTROSE DIST OFF	41205 05
WINNEMUCA DIST OFF	41104 06		
ALASKA ST OFFICE	41105 00	NEW MEXICO ST OFFICE	41206 00
ANCHORAGE DIST OFF	41105 01	ALBUQUERQUE OFFICE	41206 01
FAIRBANKS DIST OFF	41105 02	LAS CRUCES DIST OFF	41206 02
		ROSWELL DIST OFFICE	41206 03
		SOCORRO DIST OFFICE	41206 04

*Corps of Engineers**42000 00*

S PACIFIC DIVISION	42100 00

SAN FRANCISCO DIST	42101 00
COYOTE DAM, LAKE MENDOCINO	42101 01
SACRAMENTO DISTRICT	42102 00
 N PACIFIC DIVISION	 42200 00

WALLA WALLA DIST	42201 00
SEATTLE DISTRICT	42202 00
PORTLAND DISTRICT	42203 00
ANCHORAGE DISTRICT	42204 00

SOUTHWEST DIVISION	42300 00 -

TULSA DISTRICT	42301 00
JOHN REDMOND RES.	42301 01
 FORT WORTH DISTRICT	 42302 00
BENBROOK PROJECT	42302 01
WACO PROJECT	42302 02
CANYON PROJECT	42302 03
TOWNBLUFF DAM	42302 04
SAM RAYBURN PROJ	42302 05
NAVARRO HILLS PROJ	42302 06
LAVON RES	42302 07
BARDWELL RES	42302 08
HORDS CREEK RES	42302 09
DAM B RES	42302 10
WHITNEY RES	42302 11
BELTON RES	42302 12
SOMERVILLE RES	42302 13
 ALBUQUERQUE DISTRICT	 42303 00
 GALVESTON DISTRICT	 42304 00
 LITTLE ROCK DISTRICT	 42305 00

State Agencies

CALIFORNIA DEPT OF CONSERVATION - STATE FORESTS	

MTN HOME ST FOREST	51200 00
(BALCH PARK E OF PORTERVILLE IN SEQUOIA N.F.)	
LATOUR STATE FOREST	51210 00
(NEAR WHITMORE* E OF REDDING)	
JACKSON ST FOREST	51300 00
(FORT BRAGG)	
BOGGS MTN ST FOREST	51400 00
HUMBOLDT RANGER UNIT	51500 00
WHITAKER'S EXPERIMENTAL	51600 00
FOREST (NEAR GEN. GRANT GROVE, EAST OF FRESNO -UNDER UC BERKELEY CONTROL)	
 CALIFORNIA DEPT OF TRANS- PORTATION (HIGHWAYS)	 51700 00

 CALIFORNIA DEPT OF FISH AND GAME	 51800 00

TULLOCH WILDLIFE REFUGE	51800 01

CALIFORNIA DEPT OF AGRICULTURE	51900 00

 CALIFORNIA DEPT PARKS AND RECREATION	 52000 00

 CALIFORNIA STATE PARKS - ALPHABETIC	 52000 00

ADMIRAL WILLIAM STANDLEY	52232 00
ANDREW MOLERA SP	52435 00
ANGEL ISLAND SP	52201 00
ANNADEL SP	52233 00
AND NUEVO SR	52429 00
ANZA BORREGO DESERT	52601 00
ARMSTRONG RDWDS SR	52202 00
ASILOMAR SB	52430 00
ATASCADERO ST BEACH	52501 00
AUSTIN CREEK SRA	52203 00
AZALEA SR	52117 00
BASIN (BIG) RDWDS SP	52401 00
BENBOW LAKE SRA	52114 00
BENICIA CAPITOL SHM	52204 00

BENICIA SRA	52205 00	HENRY COWELL RDWDS SP	52412 00
BIDWELL MANSION SHP	52301 00	HUMBOLDT REDWOODS SP	52107 00
BIG BASIN RDWOS SP	52401 00	HUNTINGTON ST BEACH	52606 00
BIG SUR (PFEIFFER) SP	52414 00	IDE (WILLIAM B.) ADOBE	52104 00
BLISS (D.L.) ST PARK	52307 00	INDIAN CREEK SR	52223 00
BODIE SHP	52302 00	INDIAN GRINDING ROCK SHM	52329 00
BOLSA CHICA ST BEACH	52605 00	INDIAN (STATE) MUSEUM	52327 00
BORREGA (ANZA) DESERT	52601 00	JACK LONDON SHP	52224 00
BOTHE-NAPA VALLEY SP	52206 00	JEDEDIAH SMITH RDWDS	52108 00
BRANNAN ISLAND SRA	52303 00	JOHN LITTLE SR	52420 00
BRIDGES (NATURAL) SB	52406 00	JOSHUA TREES ST PARK	52507 00
BURNS (JULIA PFEIFFER)	52421 00	JULIA PFEIFFER BURNS	52421 00
BUTANO STATE PARK	52402 00	KRUSE RHODODENDRON SR	52227 00
CALAVERAS BIG TREES	52304 00	LAKE ELSINORE SRA	52607 00
CAMILLUS NELSON HISTORIC FARM	52332 00	LA PURISIMA MISSION	52519 00
CAPITAN (EL) ST BEACH	52503 00	LEO CARRILLO S BEACH	52510 00
CAPITOLA STATE BEACH	52404 00	LITTLE (JOHN) SR	52420 00
CARMEL RIVER SB	52431 00	LITTLE RIVER SB	52119 00
CARPINTERIA ST BEACH	52502 00	LONDON (JACK) SHP	52224 00
CARRILLO (LEO) ST BEACH	52510 00	LOS COCHES RANCHO HM	52422 00
CASTLE CRAGS SP	52105 00	LOS ENCINOS SHM	52521 00
CASTLE ROCK ST PARK	52419 00	LUMMIS HOME SHM	52524 00
CASWELL MEMORIAL SP	52305 00	MACKERRICHER SP	52210 00
CHICA (BOLSA) ST BEACH	52605 00	MAILLIARD REDWOODS SR	52228 00
CLEAR LAKE SP	52207 00	MALAKOFF DIGGINS SHP	52313 00
COCHES (LOS) RANCHO SHM	52422 00	MALIBU CREEK SP	52529 00
COE (HENRY W.) ST PARK	52411 00	MANCHESTER ST BEACH	52211 00
COLUMBIA SHP	52322 00	MANRESA STATE BEACH	52405 00
COLUSA-SACRAMENTO RIVER SRA	52306 00	MARIN HEADLANDS SP	52432 00
CONTRA COSTA RIDING		MARSHALL GOLD DISCOVERY SHP	52324 00
HIKING TRAILS	52424 00	MCARTHUR-BURNEY FALLS	
COWELL (HENRY) RDWDS	52412 00	MEMORIAL SP	52109 00
CRAGS (CASTLE) ST PARK	52105 00	MCCONNELL SRA	52314 00
CUYAMACA RANCHO SP	52602 00	MCGRATH ST BEACH	52505 00
DEL NORTE COAST REDWOODS SP	52116 00	MILLERTON LAKE SRA	52325 00
DIABLO (MOUNT) SP	52413 00	MITCHELL CAVERNS SR	52608 00
DIMMICK (PAUL M.) SRA	52221 00	MONTANA OE ORO SP	52512 00
D L BLISS ST PARK	52307 00	MONTEREY SHM	52423 00
DOHENY STATE BEACH	52603 00	MONTGOMERY WOODS SR	52229 00
DONNER MEMORIAL SP	52309 00	MORRO BAY STATE PARK	52513 00
DRY LAGOON SP	52118 00	MOUNT DIABLO SP	52413 00
EL CAPITAN ST BEACH	52503 00	MT SAINT HELENA SP	52226 00
EMERALD BAY SP	52308 00	MT SAN JACINTO SP	52609 00
EMMA WOOD ST BEACH	52504 00	MOUNT TAMALPAIS SP	52222 00
ENCINOS (LOS) SHM	52521 00	NATURAL BRIDGES SB	52406 00
FOLSOM LAKE SRA	52310 00	NEW BRIGHTON SO	52408 00
FORD (FREMONT) SRA	52330 00	NISENE (FOREST OF) MARKS SP	52428 00
FOREST OF NISENE MARKS SP	52428 00	NUEVO, (ANO) SR	52429 00
FORT HUMBOLDT SHM	52101 00	OLD SACRAMENTO SHP	52331 00
FORT ROSS SHP	52208 00	OLD TOWN SAN DIEGO	52616 00
FORT TEJON SHP	52516 00	OROVILLE RESERVOIR	52315 00
FRANK'S TRACT SRA	52323 00	PALACE OF FINE ARTS SHM	52434 00
FREMONT FORD SRA	52330 00	PALOMAR MOUNTAIN SP	52610 00
FREMONT PEAK ST PARK	52425 00	PATRICK'S POINT SP	52110 00
GAVIOTA STATE PARK	52518 00	PAUL M DIMMICK SRA	52221 00
GEORGE J HATFIELD RA	52311 00	PELICAN SB	52120 00
GOVENOR'S MANSION	52326 00	PETALUMA ADOBE SHM	52212 00
GRINDING ROCK (INDIAN) SHM	52329 00	PFEIFFER BIG SUR SP	52414 00
GRIZZLY CRK RDWDS SP	52106 00	PFEIFFER BURNS (JULIA)	52421 00
GROVER HOT SPRINGS SP	52312 00	PICACHO ST REC AREA	52617 00
HATFIELD (GEORGE J) RA	52311 00	PIO PICO SHM	52522 00
HEARST SAN SIMEON HM	52509 00	PISMO STATE BEACH	52514 00
HEART BAR STATE PARK	52604 00	PLUMAS-EUREKA SP	52316 00
HENRY WOODS ST PARK	52209 00	POINT LOBOS SR	52415 00
HENRY W COE ST PARK	52411 00	POINT MUGU SRA	52520 00

PORTOLA STATE PARK	52416 00
PRAIRIE CRK RDWDS SP	52111 00
PRESIDIO DE SANTA BARBARA SHM	52515 00
PUEBLO DE LOS ANGELES SHM	52525 00
PURISIMA (LA) MISSION	52519 00
REFUGIO SB	52527 00
REYNOLDS RDWD FLAT SRA	52121 00
RHODODENDRON (KRUSE) SR	52227 00
RICHARDSON GROVE SP	52113 00
ROBERT LOUIS STEVENSON SP	52231 00
ROGERS (WILL) SHP	52523 00
RUSSIAN GULCH SP	52213 00
SAINT HELENA (MT) SP	52226 00
SALINAS RIVER SB	52433 00
SALT POINT ST PARK	52225 00
SALTON SEA SRA	52611 00
SAMUEL P TAYLOR SP	52214 00
SAN BUENAVENTURA SB	52506 00
SAN CLEMENTE SB	52612 00
SAN DIEGO COAST SS	52613 00
SAN FRANCISCO MARITIME SHP	52418 00
SAN JACINTO (MT) SP	52609 00
SAN JUAN BAUTISTA SP	52426 00
SAN LUIS RESERVOIR	52317 00
SAN MATEO COAST SB	52417 00
SAN MATEO RIDING +	
HIKING TRAILS	52427 00
SAN PASQUAL BATTLEFIELD SHM	52618 00
SAN SIMEON (HEARST) SHM	52509 00
SAN SIMEON ST BEACH	52508 00
SANTA CRUZ COAST SB	52403 00
SANTA MONICA MTNS	
PARK-TRIPPET R.D.	52526 00
SEACLIFF STATE BEACH	52407 00
SHASTA SHM	52102 00
SILVER STRAND SB	52614 00
SILVERWOOD LAKE SRA	52619 00
SMITH (JEDEDIAH) RDWDS	52108 00
SMITHE RDWD SB	52122 00
SONOMA ST HIST PARK	52216 00
SONOMA COAST SB	52215 00
SQUAW VALLEY SRA	52318 00
STANDISH-HICKEY SRA	52112 00
STATE INDIAN MUSEUM	52327 00
STINSON STATE BEACH	52218 00
SUGARLOAF RIDGE SP	52217 00
SUGAR PINE POINT SP	52319 00
SUNSET STATE BEACH	52409 00
SUTTER'S FORT SHP	52328 00
TAHOE STATE REC AREA	52320 00
TAMALPAIS (MOUNT) SP	52222 00
TAYLOR (SAMUEL P) SP	52214 00
TOMALES BAY ST PARK	52219 00
TOPANGA SP	52528 00
TORREY PINES SR	52615 00
TULE ELK SR	52517 00
TURLOCK LAKE SRA	52321 00
TWIN LAKES ST BEACH	52410 00
VAN DAMME STATE PARK	52220 00
WEAVERVILLE JOSS HOUSE SHM	52103 00
WESPORT-UNION LANDING SB	52230 00
WILL ROGERS SHP	52523 00
WILLIAM B IDE ADOBE	52104 00
WOOD (EMMA) ST BEACH	52504 00
WOODSON BRIDGE SRA	52115 00

CALIFORNIA STATE PARK
AREAS - ALPHABETIC

ANGEL ISLAND AREA	52200 01
ANZA-BORREGO AREA	52600 01
BENICIA AREA	52200 02
BIG BASIN AREA	52400 01
BIG SUR AREA	52400 02
BODIE AREA	52300 01
BOTHE-NAPA AREA	52200 03
CALAVERAS AREA	52300 02
CARPINTERIA AREA	52500 01
CASTLE CRAGS AREA	52100 01
CLEAR LAKE AREA	52200 04
COE (HENRY) AREA	52400 03
COLUMBIA AREA	52300 03
DELTA AREA	52300 04
DIABLO (MOUNT) AREA	52400 05
DYERVILLE AREA	52100 02
FEATHER RIVER AREA	52300 05
FOLSOM AREA	52300 06
FORT HUMBOLDT AREA	52100 03
FORT ROSS AREA	52200 05
FORT TEJON AREA	52500 02
FOUR RIVERS AREA	52300 07
FRONTERA AREA	52600 02
GAVIOTA AREA	52500 03
GROVER AREA	52300 08
HEART BAR AREA	52600 03
HENRY COE AREA	52400 03
HIOUCHI AREA	52100 04
JOSHUA TREES AREA	52500 04
LA PURISIMA MISSION	52500 05
LAKE ELSINORE AREA	52600 04
MALAKOFF DIGGINS AR	52300 09
MARIN AREA	52200 06
MARSHALL GOLD AREA	52300 01
MENDOCINO AREA	52200 07
MILLERTON-LAKE AREA	52300 11
MITCHELL CAVERNS AR	52600 05
MONTANE AREA	52600 06
MONTEREY AREA	52400 04
MORRO BAY AREA	52500 06
MOUNT DIABLO AREA	52400 05
MT SAN JACINTO AREA	52600 07
ORANGE COAST AREA	52600 08
PICACHO AREA	52600 09
PIERCY AREA	52100 06
PISMO AREA	52500 07
PLUMAS-EUREKA AREA	52300 12
POINT LOBOS AREA	52400 06
POINT MUGU AREA	52500 08
PURISIMA (LA) MISS,	52500 05
ROGERS (WILL) AREA	52500 11
RUSSIAN RIVER AREA	52200 08
SACRAMENTO AREA	52300 13
SAN DIEGO AREA	52600 11
SAN JACINTO (MT) AR	52600 07
SAN JUAN BATISTA AR	52400 07
SAN MATEO COAST AR	52400 08
SAN SIMEON AREA	52500 09
SANTA CRUZ COAST AR	52400 09
SHASTA AREA	52100 07
SIERRA AREA	52300 14

SONOMA AREA	52200 09
TEHAMA AREA	52100 08
TRINIDAD AREA	52100 09
VENTURA BEACHES AR	52500 10
WEAVERVILLE JOSS	52100 10
HOUSE AREA	52100 10
WILL ROGERS AREA	52500 11

CALIFORNIA DEPT PARKS AND
RECREATION BY DISTRICT

52000 00

STATE PARKS AND AREAS

DISTRICT 1	52100 00
CASTLE CRAGS AREA	52100 01
DYERVILLE AREA	52100 02
FORT HUMBOLDT AREA	52100 03
HIOUCHI AREA	52100 04
PIERCY AREA	52100 06
SHASTA AREA	52100 07
TEHAMA AREA	52100 08
TRINIDAD AREA	52100 09
WEAVERVILLE JOSS	
-HOUSE AREA	52100 10
FORT HUMBOLDT SHM	52101 00
SHASTA SHM	52102 00
WEAVERVILLE JOSS HOUSE SHM	52103 00
WILLIAM B IDE ADOBE	52104 00
CASTLE CRAGS SP	52105 00
GRIZZLY CRK RDWDS SP	52106 00
HUMBOLDT REDWOODS SP	52107 00
JEDEDIAH SMITH RDWDS	52108 00
MCARTHUR-GURNEY FALLS SP	52109 00
PATRICK'S POINT SP	52110 00
PRAIRIE CRK RDWDS SP	52111 00
STANDISH-HICKEY SRA	52112 00
RICHARDSON GROVE SP	52113 00
BENBOW LAKE SRA	52114 00
WOODSON BRIDGE SRA	52115 00
DEL NORTE COAST REDWOODS SP	52116 00
AZALEA SR	52117 00
DRY LAGOON SP	52118 00
LITTLE RIVER SB	52119 00
PELICAN SB	52120 00
REYNOLDS RDWD FLAT SRA	52121 00
SMITHE RDWD SB	52122 00

DISTRICT 2

52200 00

ANGEL ISLAND AREA	52200 01
BENICIA AREA	52200 02
HOTHE-NAPA AREA	52200 03
CLEAR LAKE AREA	52200 04
FORT ROSS AREA	52200 05
MARIN AREA	52200 06
MENDOCINO AREA	52200 07
RUSSIAN RIVER AREA	52200 08
SONOMA AREA	52200 09
ANGEL ISLAND SP	52201 00
ARMSTRONG RDWDS SR	52202 00
AUSTIN CREEK SRA	52203 00
BENICIA CAPITOL SHM	52204 00
BENICIA SRA	52205 00
BOTHE-NAPA VALLEY SP	52206 00
CLEAR LAKE SP	52207 00
FORT ROSS SHP	52208 00
HENDY WOODS ST PARK	52209 00
MACKERRICHER SP	52210 00
MANCHESTER ST BEACH	52211 00
PETALUMA ADOBE SHM	52212 00
RUSSIAN GULCH SP	52213 00
SAMUEL P TAYLOR SP	52214 00
SONOMA COAST SB	52215 00
SONOMA ST HIST PARK	52216 00
SUGARLOAF RIDGE SP	52217 00
STINSON STATE BEACH	52218 00
TOMALES BAY ST PARK	52219 00
VAN DAMME STATE PARK	52220 00
PAUL M DIMMICK SRA	52221 00
MOUNT TAMALPAIS SP	52222 00
INDIAN CREEK SR	52223 00
JACK LONDON SHP	52224 00
SALT POINT ST PARK	52225 00
MT SAINT HELENA SP	52226 00
KRUSE RHODODENDRON SR	52227 00
MAILLIARD REDWOODS SR	52228 00
MONTGOMERY WOODS SR	52229 00
WESPORT-UNION LANDING SS	52230 00
ROBERT LOUIS STEVENSON SP	52231 00
ADMIRAL WILLIAM STANDLEY	52232 00
ANNADEL SP	52233 00

DISTRICT 3	52300 00	DISTRICT 4	52400 00
BODIE AREA	52300 01	BIG BASIN AREA	52400 01
MARSHALL GOLD AREA	52300 01	BIG SUR AREA	52400 02
CALAVERAS AREA	52300 02	HENRY COE AREA	52400 03
COLUMBIA AREA	52300 03	MONTEREY AREA	52400 04
DELTA AREA	52300 04	MOUNT DIABLO AREA	52400 05
FEATHER RIVER AREA	52300 05	POINT LOBOS AREA	52400 06
FOLSOM AREA	52300 06	SAN JUAN BATISTA AR	52400 07
FOUR RIVERS AREA	52300 07	SAN MATEO COAST AR	52400 08
GROVER AREA	52300 08	SANTA CRUZ COAST AR	52400 09
MALAKOFF DIGGINS AR	52300 09	BIG BASIN RDWDS SP	52401 00
MILLERTON-LAKE AREA	52300 11	BUTANO STATE PARK	52402 00
PLUMAS-EUREKA AREA	52300 12	SANTA CRUZ COAST SB	52403 00
SACRAMENTO AREA	52300 13	CAPITOLA STATE BEACH	52404 00
SIERRA AREA	52300 14	MANRESA STATE BEACH	52405 00
BIDWELL MANSION SHP	52301 00	NATURAL BRIDGES SB	52406 00
BODIE SHP	52302 00	SEACLIFF STATE BEACH	52407 00
BRANNAN ISLAND SRA	52303 00	NEW BRIGHTON SB	52408 00
CALAVERAS BIG TREES	52304 00	SUNSET STATE BEACH	52409 00
CASWELL MEMORIAL SP	52305 00	TWIN LAKES ST BEACH	52410 00
COLUSA-SACRAMENTO RIV SRA	52306 00	HENRY W COE ST PARK	52411 00
D L BLISS ST PARK	52307 00	HENRY COWELL RDWDS	52412 00
EMERALD SAY SP	52308 00	MOUNT DIABLO SP	52413 00
DONNER MEMORIAL SP	52309 00	PFEIFFER BIG SUR SP	52414 00
FOLSOM LAKE SRA	52310 00	POINT LOBOS SR	52415 00
GEORGE J HATFIELD RA	52311 00	PORTOLA STATE PARK	52416 00
GROVER HOT SPRINGS SP	52312 00	SAN MATEO COAST SB	52417 00
MALAKOFF DIGGINS SHP	52313 00	SAN FRANCISCO MARITIME SHP	52418 00
MCCONNELL SRA	52314 00	CASTLE ROCK ST PARK	52419 00
OROVILLE RESERVOIR	52315 00	JOHN LITTLE SR	52420 00
PLUMAS-EUREKA SP	52316 00	JULIA PFEIFFER BURNS SP	52421 00
SAN LUIS RESERVOIR	52317 00	LOS COCHES RANCHO HM	52422 00
SQUAW VALLEY SRA	52318 00	MONTEREY SHM	52423 00
SUGAR PINE POINT SP	52319 00	CONTRA COSTA RIDING +	
TAHOE STATE REC AREA	52320 00	HIKING TRAILS	52424 00
TURLOCK LAKE SRA	52321 00	FREMONT PEAK ST PARK	52425 00
COLUMBIA SHP	52322 00	SAN JUAN BAUTISTA SP	52426 00
FRANK'S TRACT SRA	52323 00	SAN MATEO RIDING +	
MARSHALL GOLD DISCOV SHP	52324 00	HIKING TRAILS	52427 00
MILLERTON LAKE SRA	52325 00	FOREST OF NISENE MARKS SP	52428 00
GOVERNOR'S MANSION	52326 00	ANO NUEVO SR	52429 00
STATE INDIAN MUSEUM	52327 00	ASILOMAR SB	52430 00
SUTTER'S FORT SHM	52328 00	CARMEL RIVER SB	52431 00
INDIAN GRINDING ROCK SHM	52329 00	MARIN HEADLANDS SP	52432 00
FREMONT FORD SRA	52330 00	SALINAS RIVER SB	52433 00
OLD SACRAMENTO SHP	52331 00	PALACE OF FINE ARTS SHM	52434 00
CAMILLUS NELSON HIST FARM	52332 00	ANDREW MOLERA SP	52435 00

DISTRICT 5	52500 00
CARPINTERIA AREA	52500 01
FORT TEJON AREA	52500 02
GAVIOTA AREA	52500 03
JOSHUA TREES AREA	52500 04
LA PURISIMA MISSION	52500 05
MORRO BAY AREA	52500 06
PISMO AREA	52500 07
POINT MUGU AREA	52500 08
SAN SIMEON AREA	52500 09
VENTURA BEACHES AR	52500 10
WILL ROGERS AREA	52500 11

ATASCADERO ST BEACH	52501 00
CARPINTERIA ST BEACH	52502 00
EL CAPITAN ST BEACH	52503 00
EMMA WOOD ST REACH	52504 00
MCGRATH ST BEACH	52505 00
SAN BUENAVENTURA SB	52506 00
JOSHUA TREES ST PARK	52507 00
SAN SIMEON ST BEACH	52508 00
HEARST SAN SIMEON HM	52509 00
LEO CARRILLO S BEACH	52510 00
MONTANA DE ORO SP	52512 00
MORRO BAY STATE PARK	52513 00
PISMO STATE BEACH	52514 00
PRESIDIO DE SANTA	
BARBARA SHM	52515 00
FORT TEJON SHP	52516 00
TULE ELK SR	52517 00
GAVIOTA STATE PARK	52518 00
LA PURISIMA MISSION	52519 00
POINT MIJGU SRA	52520 00
LOS ENCINOS SHM	52521 00
PIO PICO SHM	52522 00
WILL ROGERS SHP	52523 00
LUMMIS HOME SHM	52524 00
PUEBLO DE LOS ANGELES SHM	52525 00
SANTA MONICA MTNS PARK-	
TRIPPET R.D.	52526 00
REFUGIO SB	52527 00
TOPANGA SP	52528 00
MALIBU CREEK SP	52529 00

DISTRICT 6	52600 00
ANZA-BORREGO AREA	52600 01
FRONTERA AREA	52600 02
HEART BAR AREA	52600 03
LAKE ELSINORE AREA	52600 04
MITCHELL CAVERNS AR	52600 05
MONTANE AREA	52600 06
MT SAN JACINTO AREA	52600 07
ORANGE COAST AREA	52600 08
PICACHO AREA	52600 09
SAN DIEGO AREA	52600 11

ANZA BORREGO DESERT	52601 00
CUYAMACA RANCHO SP	52602 00
DOHENY STATE BEACH	52603 00
HEART BAR STATE PARK	52604 00
BOLSA CHICA ST BEACH	52605 00
HUNTINGTON ST BEACH	52606 00
LAKE ELSINORE SRA	52607 00
MITCHELL CAVERNS SR	52608 00
MT SAN JACINTO SP	52609 00
PALOMAR MOUNTAIN SP	52610 00
SALTON SEA SRA	52611 00
SAN CLEMENTE SB	52612 00
SAN DIEGO COAST SB	52613 00
SILVER STRAND SB	52614 00
TORREY PINES SR	52615 00
OLD TOWN SAN DIEGO	52616 00
PICACHO ST REC AREA	52617 00
SAN PASOUALBATTLEFIELD SHM	52618 00
SILVERW000 LAKE SRA	52619 00

COLORADO DEPT OF FISH AND GAME

51800 00

NEW MEXICO STATE PARKS
AND RECREATION

52403 00

OREGON DEPT OF FORESTRY

51200 00

NW AREA
TRESH FOREST PARK

51200 00
51200 01

NEVADA STATE PARKS

52000 00

LAHONTAN STATE PARK
LAKE TAHOE STATE PARK

52000 02
52000 01



OREGON DEPT OF PARKS
AND RECREATION

52000 00

DISTRICT 2

52200 00

DISTRICT 1

52100 00

AINSWORTH STATE PARK 52101 00
 BALDOCK STATE WAYSIDE 52102 00
 BALD PEAK STATE PARK 52103 00
 BENSON STATE PARK 52104 00
 BONNEVILLE STATE PARK 52105 00
 BRADLEY WAYSIDE 52106 00
 CAPE LOOK OUT STATE PARK 52107 00
 CAPE MEARES STATE PARK 52108 00
 CHAMPOEG STATE PARK 52109 00
 CROWN POINT STATE PARK 52110 00
 DABNEY STATE PARK 52111 00
 ECOLA STATE PARK 52112 00
 FORT STEVENS STATE PARK 52113 00
 GEARHART OCEAN WAYSIDE 52114 00
 GEORGE W JOSEPH STATE PARK 52115 00
 GUY W TALBOT STATE PARK 52116 00
 HAYSTACK HILL STATE WAYSIDE 52117 00
 HUG POINT STATE PARK 52118 00
 JOHN B YEON STATE PARK 52119 00
 KOBERG BEACH WAYSIDE 52120 00
 LANG STATE PARK 52121 00
 LEWIS AND CLARK STATE PARK 52122 00
 LINDSEY CREEK STATE PARK 52123 00
 MARY S YOUNG STATE PARK 52124 00
 MAYER STATE PARK 52125 00
 MCLOUGHLIN STATE PARK 52126 00
 MEMALOOSE STATE PARK 52127 00
 MILO MCIVER STATE PARK 52128 00
 NEHALEM BAY STATE PARK 52129 00
 NESKOWIN BEACH STATE WAYSIDE 52130 00
 NESTUCCA SPIT STATE PARK 52131 00
 OCEANSIDE BEACH STATE WAYSIDE 52132 00
 OSWALD WEST STATE PARK 52133 00
 PORTLAND WOMEN'S FORUM SP 52134 00
 ROCKAWAY BEACH STATE WAYSIDE 52135 00
 ROOSTER ROCK STATE PARK 52136 00
 SADDLE MOUNTAIN STATE PARK 52137 00
 SENECA FOOTS MEMORIAL PARK 52138 00
 SHEPPERD'S DELL STATE PARK 52139 00
 SHERIDAN STATE PARK 52140 00
 STARVATION CREEK STATE PARK 52141 00
 SUNSET HIGHWAY FOREST WAYSIDE 52142 00
 TOLOVANA BEACH STATE WAYSIDE 52143 00
 VIENTO STATE PARK 52144 00
 VINZENZ LAUSMANN MEMORIAL PK 52145 00
 WILLAMETTE STONE SP 52146 00
 WILSON R HIWAY FOREST WAYSIDE 52147 00
 WYGANT STATE PARK 52148 00
 ZIBE DIMMICK STATE PARK 52149 00

ALSEA BAY N BRIDGEHEAD WAYSIDE 52201 00
 BEACHSIDE STATE PARK 52202 00
 BEVERLY BEACH STATE PARK 52203 00
 BOILER BAY WAYSIDE 52204 00
 BROWNSVILLE STATE WAYSIDE 52205 00
 CASCADIA STATE PARK 52206 00
 'D' RIVER STATE WAYSIDE 52207 00
 DEPOE BAY STATE PARK 52208 00
 DETROIT LAKE STATE PARK 52209 00
 DEVILS LAKE STATE PARK 52210 00
 DEVILS PUNCH BOWL STATE PARK 52211 00
 DRIFTWOOD BEACH STATE WAYSIDE 52212 00
 ELLMAKER STATE PARK 52213 00
 ERRATIC ROCK WAYSIDE 52214 00
 FOGARTY CREEK STATE PARK 52215 00
 GLENEDEN BEACH STATE WAYSIDE 52216 00
 GOVERNOR PATTERSON MEMORIAL PK 52217 00
 H B VAN DUZER FOREST
 CORRIDOR WAYSIDE 52218 00
 HOLMAN WAYSIDE 52219 00
 LINCOLN BEACH STATE WAYSIDE 52220 00
 LOST CREEK STATE PARK 52221 00
 MAUD WILLIAMSON STATE PARK 52222 00
 NORTH SANTIAM STATE PARK 52223 00
 ONA BEACH STATE PARK 52224 00
 OTTER CREST WAYSIDE 52225 00
 ROADS END BEACH STATE WAYSIDE 52226 00
 ROCKY CREEK WAYSIDE 52227 00
 SAN MARINE STATE WAYSIDE 52228 00
 SARAH HELMICK STATE PARK 52229 00
 SEAL ROCK WAYSIDE 52230 00
 SILVER FALLS STATE PARK 52231 00
 SODAVILLE SPRINGS STATE PARK 52232 00
 SOUTH BEACH WAYSIDE 52233 00
 SOUTH NEWPORT STATE PARK 52234 00
 W B NELSON WAYSIDE 52235 00
 WILLIAM P KEADY WAYSIDE 52236 00
 YACHATS OCEAN ROAD WAYSIDE 52237 00
 YACHATS STATE PARK 52238 00
 YAQUINA BAY STATE PARK 52239 00

DISTRICT 3	52300 00
ALBERT H POWERS MEMORIAL PARK	52301 00
AZALEA STATE PARK	52302 00
BANDON OCEAN WAYSIDE	52303 00
BANDON STATE PARK	52304 00
BARVIEW WAYSIDE	52305 00
BATTLE ROCK WAYSIDE	52306 00
BOLON ISLAND TIDEWAYS WAYSIDE	52307 00
BUENA VISTA OCEAN WAYSIDE	52308 00
BULLARDS BEACH STATE PARK	52309 00
CAPE ARAGO STATE PARK	52310 00
CAPE SEBASTIAN STATE PARK	52311 00
CARL G WASHBURNE MEMORIAL PARK	52312 00
CARPENTERVILLE-BROOKING	
FOREST WAYSIDE	52313 00
COQUILLE MYRTLE GROVE STATE PK	52314 00
CONDE B MCCULLOUGH	
BRIDGEHEAD - WAYSIDE	52315 00
DARLINGTONIA WAYSIDE	52316 00
DEVIL'S ELBOW STATE PARK	52317 00
FLORAS LAKE STATE PARK	52318 00
GEISEL MONUMENT AAYSIDE	52319 00
GOLDEN AND SILVER FALLS SP	52320 00
HARRIS BEACH STATE PARK	52321 00
HOFFMAN MEMORIAL WAYSIDE	52322 00
HUMBUG MOUNTAIN STATE PARK	52323 00
JESSIE M.HONEYMAN MEMORIAL PK	52324 00
JOAQUIN MILLER FOREST WAYSIDE	52325 00
LOEB STATE PARK	52326 00
MARIA C. JACKSON STATE PARK	52327 00
MILLICOMA MYRTLE GROVE SP	52328 00
MURIEL O. PONSLER MEM WAYSIDE	52329 00
NEPTUNE STATE PARK	52330 00
NORWAY MYRTLE PRESERVE	52331 00
OTTER POINT STATE WAYSIDE	52332 00
PISTOL RIVER STATE PARK	52333 00
PORT ORFORD CEDAR FOREST WAYSIDE	52334 00
ROCKWOOD BEACH STATE WAYSIDE	52335 00
SAMUEL H. BOARDMAN STALE PARK	52336 00
SEVEN DEVILS STATE WAYSIDE	52337 00
SHORE ACRES STATE PARK	52338 00
SIMPSON WAYSIDE	52339 00
SUNSET BAY STATE PARK	52340 00
SWEET MYRTLE PRESERVE	52341 00
UMPQUA LIGHTHOUSE STATE PARK	52342 00
UMPQUA WAYSIDE	52343 00
WILLIAM M. TUGMAN STATE PARK	52344 00
WINCHUCK WAYSIDE	52345 00
YOAKAM POINT STATE WAYSIDE	52346 00

DISTRICT 4	52400 00
BOOTH WAYSIDE	52401 00
CHANDLER WAYSIDE	52402 00
CLINE FALLS STATE PARK	52403 00
COLLIER MEMORIAL STATE PARK	52404 00
DESCHUTES RIVER STATE PARK	52405 00
ELLIOTT R. CORBETT II MEM PARK	52406 00
FORT ROCK STATE MONUMENT	52407 00
GOOSE LAKE STATE REC AREA	52408 00
JACKSON F. KIMBALL STATE PARK	52409 00
KLAMATH FALLS-LAKEVIEW	
FOREST WAYSIDE	52410 00
LAPINE STATE RECREATION AREA	52411 00
LAVA RIVER CAVES STATE PARK	52412 00
OCHOCO LAKE STATE PARK	52413 00
OCHOCO WAYSIDE	52414 00
PAINTED HILLS STATE PARK	52415 00
PETER SKENE OGDEN SCENIC WAYSIDE	52416 00
PILOT BUTTE STATE PARK	52417 00
PRINEVILLE RESERVOIR STATE PARK	52418 00
REDMOND-BEND JUNIPER WAYSIDE	52419 00
ROBERT W. SAWYER STATE PARK	52420 00
SISTERS STATE PARK	52421 00
SMITH ROCK STATE PARK	52422 00
THE COVE PALISADES STATE PARK	52423 00
TUMALO STATE PARK	52424 00

DISTRICT 5	52500 00	DISTRICT 6	52600 00
BATTLE MOUNTAIN STATE PARK	52501 00	ALDERWOOD WAYSIDE	52601 00
CATHERINE CREEK STATE PARK	52502 00	ARMITAGE STATE PARK	52602 00
CLARNO STATE PARK	52503 00	BEN HUR LAMPMAN WAYSIDE	52603 00
DYER WAYSIDE	52504 00	BEN AND KEY DORRIS STATE PARK	52604 00
EMIGRANT SPRINGS STATE PARK	52505 00	BLACHLY MOUNTAIN FOREST WAYSIDE	52605 00
FAREWELL BEND STATE PARK	52506 00	CAMAS MOUNTAIN WAYSIDE	52606 00
HAT ROCK STATE PARK	52507 00	CANYON CREEK FOREST WAYSIDE	52607 00
HILGARD JUNCTION STATE PARK	52508 00	CASEY STATE PARK	52608 00
LAKE OWYHEE STATE PARK	52509 00	COW CREEK STATE PARK	52609 00
ONTARIO STATE PARK	52510 00	ELK CREEK TUNNEL	
RED BRIDGE STATE PARK	52511 00	FOREST WAYSIDE	52610 00
SHELTON WAYSIDE	52512 00	EVERGREEN RANCH WAYSIDE	52611 00
UKIAH-DALE FOREST WAYSIDE	52513 00	FERN RIDGE STATE PARK	52612 00
UNITY LAKE STATE PARK	52514 00	GATEWAY STATE WAYSIDE	52613 00
WALLOWA LAKE STATE PARK	52515 00	HENDRICKS BRIDGE WAYSIDE	52614 00
ARLINGTON WAYSIDE	52516 00	HOWARD J. MORTON MEMORIAL PARK	52615 00
BATTLE MOUNTAIN FOREST WAYSIDE	52517 00	HUTCHINSON WAYSIDE	52616 00
BLUE MOUNTAIN FOREST WAYSIDE	52518 00	ILLINOIS RIVER STATE PARK	52617 00
GANGLOFF WAYSIDE	52519 00	JENNIE B. HARRIS WAYSIDE	52618 00
J. S. BURREN STATE PARK	52520 00	LAURELHURST STATE PARK	52619 00
LITTLE SHEEP CREEK		MACKIN GULCH FOREST WAYSIDE	52620 00
STATE WAYSIDE	52521 00	MCL EOD WAYSIDE	52621 00
MINAM STATE REC AREA	52522 00	PASS CREEK WAYSIDE	52622 00
SUCCOR CREEK STATE REC AREA	52523 00	PROSPECT WAYSIDE	52623 00
THOMAS CONDON-JOHN DAY		RICE HILL WAYSIDE	52624 00
FOSSIL BEDS ST PK	52524 00	ROGUE RIVER FOREST WAYSIDE	52625 00
UNITY FOREST WAYSIDE	52525 00	ROGUE RIVER OVERLOOK WAYSIDE	52626 00
WALLOWA LAKE HIGHWAY		ROSEBURG STATE PARK	52627 00
FOREST WAYSIDE	52526 00	ROUGH AND READY WAYSIDE	52628 00
		STAGE COACH FOREST WAYSIDE	52629 00
		SUSAN CREEK STATE PARK	52630 00
		TOUVELLE STATE PARK	52631 00
		TUBB SPRINGS WAYSIDE	52632 00
		UMPQUA MYRTLE PRESERVE	52633 00
		VALLEY OF THE ROGUE STATE PARK	52634 00
		WASHBURNE WAYSIDE	52635 00

UTAH DEPT OF PARKS	52000 00	OLYMPIC PEN. + PUGET	52200 00
AND RECREATION		SOUND REGION	
-----		BELFAIR	52201 00
PALISADE STATE PARK	52001 00	BLAKE ISLAND	52202 00
		BOGACHIEL	52203 00
		BRIDLE TRAILS	52204 00
		CAPTAIN WALLACE'S GRAVE	52205 00
		CHIEF SEATTLE'S GRAVE	52206 00
		DASH POINT	52207 00
WASHINGTON DEPT OF	51200 00	DOSEWALLIPS	52208 00
NATURAL RESOURCES		DUNGENESS	52209 00
-----		EAGLE ISLAND	52210 00
		FAY-BAINBRIDGE	52211 00
		FEDERATION FOREST	52212 00
		FORT FLAGLER	52213 00
		FORT WARD	52214 00
		FORT WORDEN	52215 00
WASHINGTON DEPT OF PARKS	52000 00	GRAVEYARD SPIT	52216 00
AND RECREATION		ILLAHEE	52217 00
-----		JARRELL COVE	52218 00
		KITSAP MEMORIAL	52219 00
WASHINGTON STATE PARKS		KOPACHUCK	52220 00
		LAKE CUSHMAN	52221 00
SOUTHWEST REGION	52100 00	LAKE SAMMAMISH	52222 00
BEACON ROCK	52101 00	MAHLER	52223 00
BUSH PACIFIC	52102 00	OLD FORT TOWNSEND	52224 00
FORT CANBY	52103 00	OLD MAN HOUSE	52225 00
FORT COLUMBIA	52104 00	PENROSE POINT	52226 00
JACKSON HOUSE	52105 00	PLEASANT HARBOR	52227 00
JONES BEACH	52106 00	POTLATCH	52228 00
LAKE SYLVIA	52107 00	RIGNEY	52229 00
LEADBETTER POINT	52108 00	ROTHSCHILD HOUSE	52230 00
LEWIS AND CLARK	52109 00	SALTWATER	52231 00
LEWIS AND CLARK CAMPSITE	52110 00	SCENIC BEACH	52232 00
MATILDA JACKSON	52111 00	SEQUIM BAY	52233 00
MAYFIELD LAKE	52112 00	SQUAXIN ISLAND	52234 00
MILLERSYLVANIA	52113 00	TWANOH	52235 00
MONTICELLO CONVEN MONUMENT	52114 00	TWIN FALLS	52236 00
OCEAN CITY	52115 00	TOLMIE	52237 00
PARADISE POINT	52116 00		
RAINBOW FALLS	52117 00		
SCHAFER	52118 00		
SEAQUEST	52119 00		
TWIN HARBORS	52120 00		
WILLIE KEIL'S GRAVE	52121 00		
WORMALD	52122 00		
BATTLE GROUND LAKE	52123 00		
IKE KINSWA	52124 00		

NORTHWEST REGION	52300 00	SKULL ISLAND	52360 00
BAYVIEW	52301 00	SOUTH PEAPOD	52361 00
BIRCH BAY	52302 00	UNNAMED ISLAND	52362 00
CAMANO ISLAND	52303 00	VICTIM ISLAND	52363 00
DECEPTION PASS	52304 00	WASP ISLAND	52364 00
DECEPTION ISLAND	52304 00	WHITE ROCK	52365 00
HOPE ISLAND	52304 00	SPENCER SPIT	52366 00
NORTHWEST ISLAND	52304 00		
PASS ISLAND	52304 00		
SKAGIT ISLAND	52304 00		
STRAWBERRY ISLAND	52304 00		
DONOVAN	52305 00		
FORT CASEY	52306 00		
FORT EBEL	52307 00		
LARRABEE	52308 00		
MOUNT PILCHUCK	52309 00		
MUKILTEO	52310 00		
PEACE ARCH	52311 00		
ROCKPORT	52312 00		
SOUTH WHIDBEY	52313 00		
USELESS BAY	52314 00		
WENBERG	52315 00		
JONES ISLAND	52316 00		
MATIA ISLAND	52317 00		
MORAN	52317 00		
POSEY ISLAND	52319 00		
PREVOST HARBOR	52320 00		
REID HARBOR	52321 00		
SIICIA ISLAND	52322 00		
TURN ISLAND	52323 00		
BARREN ISLAND	52324 00		
BATTLESHIP ISLAND	52325 00		
BLACK ROCK	52326 00		
CEMETERY ISLAND	52327 00		
CLARK ISLAND	52328 00		
DANGER ROCK	52329 00		
DOE ISLAND	52330 00		
DOT ROCK	52331 00		
FREEMAN ISLAND	52332 00		
GEORGE ISLAND	52333 00		
GULL REEF	52334 00		
GULL ROCK	52335 00		
GUSS ISLAND	52336 00		
HALFTIDE ROCKS	52337 00		
HALL ISLAND	52338 00		
ICEBERG ISLAND	52339 00		
JAMES ISLAND	52340 00		
KNOB ISLAND	52341 00		
LAWSON ROCK	52342 00		
LOPEZ ISLAND	52343 00		
LOW ISLAND	52344 00		
MOUATT REEF	52346 00		
MUMMY ROCKS	52347 00		
NORTH PACIFIC ROCK	52348 00		
NORTH PEAPOD	52349 00		
OLGA	52350 00		
PARKER REEF	52351 00		
PEAPOD ROCKS	52352 00		
POINTER ISLAND	52353 00		
RIPPLE ISLAND	52354 00		
ROCK ISLAND	52355 00		
SECAR ROCK	52356 00		
SHAG ROCK	52357 00		
SISTERS, THE	52358 00		
SKIPJACK ISLAND	52359 00		

NORTH CENTRAL + NE REGION	52400 00
ALTA LAKE	52401 00
BRIDGEPORT	52402 00
CHIEF JOSEPH	52403 00
CONCONULLY	52404 00
CRAWFORD CAVE	52405 00
CROWN POINT	52406 00
CURLEW LAKE	52407 00
DRY FALLS	52408 00
FORT OKANOGAN	52409 00
ICE CAVE	52410 00
INDIAN ROCK PAINTINGS	52411 00
LAKE CHELAN	52412 00
LAKE LENORE CAVES	52413 00
LAKE NEWPORT	52414 00
LAKE WENATCHEE	52415 00
MOUNT SPOKANE	52416 00
OSOYOOS LAKE	52417 00
PEARRYGIN LAKE	52418 00
PEND OREILLE	52419 00
RANALD MACDONALD'S GRAVE	52420 00
RIVERSIDE	52421 00
ROCK ISLAND	52422 00
ST. PAUL'S MISSION	52423 00
SPOKANE HOUSE	52424 00
SPOKANE PLAINS BATTLEFIELD	52425 00
SQUILLCHUCK	52426 00
STEAMBOAT ROCK	52427 00
SUMMER FALLS	52428 00
SUN LAKES	52429 00

SOUTH CENTRAL + SE REGION	52500 00
BROOKS MEMORIAL	52501 00
CAMP WOOTEN	52502 00
CROW BUTTE	52503 00
FIELDS' SPRING	52504 00
FORT SIMCOE	52505 00
GINKGO	52506 00
HORSETHIEF LAKE	52507 00
INDIAN ROCK PAINTINGS	52508 00
KAMIAK BUTTE	52509 00
LAKE EASTON	52510 00
LEWIS AND CLARK TRAIL	52511 00
MOSES LAKE	52512 00
PALOUSE FALLS	52513 00
POTHOLES RESERVOIR	52514 00
SACAJAWEA	52515 00
STEPTOE BATTLEFIELD	52516 00
STEPTOE BUTTE	52517 00
WANAPUM	52518 00
YAKIMA	52519 00

OTHER AGENCIES (STATE)	58000 00

*Public Utilities**60000 00 69900 00*

PACIFIC GAS AND ELECTRIC	61000 001
SO. CALIF. EDISUN	62000 001
EAST BAY WATER	63000 001

ALL MUNICIPAL UTILITIES (INCLUDE CITY CODE)	64000 00
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CASITAS MUNICIPAL WATER DIST., OJAI, CA	64025 30
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*Regional, County, and City Agencies**70000 00*

DIV OF FORESTRY (CITY OR COUNTY)	70100 00
PARKS AND RECREATION (CITY OR COUNTY)	70100 00

PARKS AND RECREATION (REGION)	
PRIVATE PROPERTY	70100 001
PUBLIC WORKS - TREE	70400 00
DIVISION (CITY OR COUNTY)	70700 00

*Soil Conservation Service**77000 00*

80000 00

[illegible]

STATE AND COUNTY CODES

State and County codes were assigned before the GSA *Worldwide Geographic Location Codes* became available. They may be changed, if desired, by agencies maintaining their own records. The codes used here are generally arranged in alphabetic order by State and by County within State.

General

ALABAMA	24	NEBRASKA	14
ALASKA	21	NEVADA	05
ARIZONA	07	NEW HAMPSHIRE	38
ARKANSAS	23	NEW JERSEY	39
CALIFORNIA	01	NEW MEXICO	11
COLORADO	10	NEW YORK	40
CONNECTICUT	25	NORTH CAROLINA	41
DELAWARE	26	NORTH DAKOTA	12
FLORIDA	27	OHIO	42
GEORGIA	28	OKLAHOMA	16
HAWAII	22	OREGON	02
IDAHO	04	PENNSYLVANIA	43
ILLINOIS	29	PUERTO RICO	51
INDIANA	30	RHODE ISLAND	44
IOWA	19	SOUTH CAROLINA	45
KANSAS	15	SOUTH DAKOTA	13
KENTUCKY	31	TENNESSEE	46
LOUISIANA	35	TEXAS	17
MAINE	32	UTAH	06
MARYLAND	33	VERMONT	47
MASSACHUSETTS	34	VIRGINIA	48
MICHIGAN	36	WASHINGTON	03
MINNESOTA	18	WEST VIRGINIA	49
MISSISSIPPI	37	WISCONSIN	50
MISSOURI	20	WYOMING	09
MONTANA	08		

Detail

ALABAMA	24000	WALKER	24064
AUTAUGA	24001	WASHINGTON	24065
BALDWIN	24002	WASHINGTON	24065
BARBOUR	24003	WILCOX	24066
BIBB	24004	WINSTON	24067
RLOUNT	24005		
BULLOCK	24006		
BUTLER	24007	ALASKA	21000
CALHOUN	24008		
CHAMBERS	24009	ALEUTIAN ISLANDS DIV	21010
CHEROKEE	24010	ANCHORAGE DIVISION	21020
CHILTON	24011	ANGOON DIVISION	21030
CHOCTAW	24012	BARROW-NORTH SLOPE	21040
CLARKE	24013	BETHEL DIV	21050
CLAY	24014	BRISTOL BAY BORO DIV	21060
CLEBOURNE	24015	BRISTOL BAY DIV	21070
COFFEE	24016	CORDOVA-MCCARTHY DIV	21080
COLBERT	24017	FAIRBANKS DIV	21090
CONECUH	24018	HAINES DIV	21100
COOSA	24019	JUNEAU DIV	21110
COVINGTON	24020	KENAI-COOK INLET DIV	21120
CRENSHAW	24021	KETCHIKAN DIV	21130
CULLMAN	24022	KOBUK DIV	21140
DALE	24023	KODIAK DIV	21150
DALLAS	24024	KUSKOKWIM DIV	21160
DE KALB	24025	MATANUSKA-SUSITNA DIV	21170
ELMORE	24026	NOME DIV	21180
ESCAMBIA	24027	OUTER KETCHIKAN DIV	21190
ETOWAH	24028	PRINCE OF WALES DIV	21200
FAYETTE	24029	SEWARD DIV	21210
FRANKLIN	24030	SITKA DIV	21220
GENEVA	24031	SKAGWAY-YAKUTAT DIV	21230
GREENE	24032	SO. EAST FAIRBANKS DIV	21240
HALE	24033	UPPER YUKON DIV	21250
HENRY	24034	VALDEZ-CHITINA-WHITT DIV	21260
HOUSTON	24035	WADE HAMPTON DIV	21270
JACKSON	24036	WRANGELL-PETERSBURG DIV	21280
JEFFERSON	24037	YUKON-KOYUKUK DIV	21290
LAMAR	24038		
LAUDERDALE	24039	ARIZONA	07000
LAWRENCE	24040		
LEE	24041	APACHE	07001
LIMESTONE	24042	COCHISE	07002
LOWNDES	24043	COCONINO	07003
MACON	24044	GILA	07004
MADISON	24045	GRAHAM	07005
MARENGO	24046	GREENLEE	07006
MARION	24047	MARICOPA	07007
MARSHALL	24048	MOHAVE	07008
MOBILE	24049	NAVAJO	07009
MONROE	24050	PIMA	07010
MONTGOMERY	24051	PINAL	07011
MORGAN	24052	SANTA CRUZ	07012
PERRY	24053	YAVAPAI	07013
PICKENS	24054	YUMA	07014
PIKE	24055		
RANDOLPH	24056	ARKANSAS	23000
RUSSELL	24057		
ST. CLAIR	24058	ARKANSAS	23001
SHELBY	24059	ASHLEY	23002
SUMIER	24060	BAXTER	23003
TALLADEGA	24061	RENTON	23004
TALLAPOOSA	24062	BOONE	23005
TUSCALOOSA	24063	BRADLEY	23006

CALHOUN	23007	WHITE	23072
CARROLL	23008	WOODRUFF	23073
CHICOT	23009	YELL	23074
CLARK	23010		
CLAY	23011		
CLEBURNE	23012	CALIFORNIA	01000
CLEVELAND	23013		
COLUMBIA	23014	ALAMEDA	01001
CONWAY	23015	ALPINE	01002
CRAIGHEAD	23016	AMADOR	01003
CRAWFORD	23017	BUTTE	01004
CRITTENDEN	23018	CALAVERAS	01005
CROSS	23019	COLUSA	01006
DALLAS	23020	CONTRA COSTA	01007
DESHA	23021	DEL NORTE	01008
DREW	23022	EL DORADO	01009
FAULKNER	23023	FRESNO	01010
FRANKLIN	23024	GLENN	01011
FULTON	23025	HUMBOLDT	01012
GARLAND	23026	IMPERIAL	01013
GRANT	23027	INYO	01014
GREENE	23028	KERN	01015
HEMPSTEAD	23029	KINGS	01016
HOT SPRING	23030	LAKE	01017
HOWARD	23031	LASSEN	01018
INDEPENDENCE	23032	LOS ANGELES	01019
IZARD	23033	MADERA	01020
JACKSON	23034	MARIN	01021
JEFFERSON	23035	MARIPOSA	01022
JOHNSON	23036	MENDOCINO	01023
LAFAYETTE	23037	MERCED	01024
LAWRENCE	23038	MODOC	01025
LEE	23039	MONO	01026
LINCOLN	23040	MONTEREY	01027
LITTLE RIVER	23041	NAPA	01028
LOGAN	23042	NEVADA	01029
LONOKE	23043	ORANGE	01030
MARION	23044	PLACER	01031
MILLER	23045	PLUMAS	01032
MISSISSIPPI	23046	RIVERSIDE	01033
MONROE	23047	SACRAMENTO	01034
MONTGOMERY	23048	SAN BENITO	01035
NEWTON	23049	SAN BERNARDINO	01036
NEVADA	23050	SAN DIEGO	01037
OUACHITA	23051	SAN FRANCISCO	01038
PERRY	23052	SAN JOAQUIN	01039
PHILLIPS	23053	SAN LUIS OBISPO	01040
PIKE	23054	SAN MATEO	01041
POINSETT	23055	SANTA BARBARA	01042
POLK	23056	SANTA CLARA	01043
POPE	23057	SANTA CRUZ	01044
PRAIRIE	23058	SHASTA	01045
PULASKI	23059	SIERRA	01046
RANDOLPH	23060	SISKIYOU	01047
SALINE	23061	SOLANO	01048
SCOTT	23062	SONOMA	01049
SEARCY	23063	STANISLAUS	01050
SEBASTIAN	23064	SUTTER	01051
SEVIER	23065	TEHAMA	01052
SHARP	23066	TRINITY	01053
ST. FRANCIS	23067	TULARE	01054
STONE	23068	TUOLUMNE	01055
UNION	23069	VENTURA	01056
VAN BUREN	23070	YOLO	01057
WASHINGTON	23071	YUBA	01058

COLORADO	10000	CONNECTICUT	25000
ADAMS	10001		
ALAMOSA	10002	FAIRFIELD	25001
ARAPAHOE	10003	HARTFORD	25002
ARCHULETA	10004	LITCHFIELD	25003
BACA	10005	MIDDLESEX	25004
RENT	10006	NEW HAVEN	25005
BOULDER	10007	NEW LONDON	25006
CHAFFEE	10008	TOLLAND	25007
CHEYENNE	10009	WINDHAM	25008
CLEAR CREEK	10010		
CONEJOS	10011		
COSTILLA	10012	DELAWARE	26000
CROWLEY	10013	KENT	26001
CUSTER	10014	NEW CASTLE	26002
DELTA	10015	SUSSEX	26003
DOLORES	10016		
DOUGLAS	10017	FLORIDA	27000
EAGLE	10018		
ELBERT	10019	ALACHUA	27001
EL PASO	10020	BAKER	27002
FREMONT	10021	BAY	27003
GARFIELD	10022	BRADFORD	27004
GILPIN	10023	BREVARD	27005
GRAND	10024	BROWARD	27006
GUNNISON	10025	CALHOUN	27007
HINSDALE	10026	CHARLOTTE	27008
HUERFANO	10027	CITRUS	27009
JACKSON	10028	CLAY	27010
JEFFERSON	10029	COLLIER	27011
KIOWA	10030	COLUMBIA	27012
KIT CARSON	10031	DADE	27013
LAKE	10032	DESOTO	27014
LA PLATA	10033	DIXIE	27015
LARIMER	10034	DUVAL	27016
LAS ANIMAS	10035	ESCAMBIA	27017
LINCOLN	10036	FLAGLER	27018
LOGAN	10037	FRANKLIN	27019
MESA	10038	GADSDEN	27020
MINERAL	10039	GILCHRIST	27021
MOFFAT	10040	GLADES	27022
MONTEZUMA	10041	GULF	27023
MONTROSE	10042	HAMILTON	27024
MORGAN	10043	HARDEE	27025
OTERO	10044	HENDRY	27026
OURAY	10045	HERNANDO	27027
PARK	10046	HIGHLANDS	27028
PHILLIPS	10047	HILLSBOROUGH	27029
PITKIN	10048	HOLMES	27030
PROWERS	10049	INDIAN RIVER	27031
PUEBLO	10050	JACKSON	27032
RIO BLANCO	10051	JEFFERSON	27033
RIO GRANDE	10052	LAFAYETTE	27034
ROUTT	10053	LAKE	27035
SAGUACHE	10054	LEE	27036
SAN JUAN	10055	LEON	27037
SAN MIGUEL	10056	LEVY	27038
SEDGWICK	10057	LIBERTY	27039
SUMMIT	10058	MADISON	27040
TELLER	10059	MANATEE	27041
WASHINGTON	10060	MARLON	27042
WELD	10061	MARTIN	27043
YUMA	10062	MONROE	27044
		NASSAU	27045
		OKALOOSA	27046

OKEECHOBEE	27047	DAMSON	28042
ORANGE	27048	DECATUR	28043
OSCEOLA	27049	DE KALB	28044
PALM BEACH	27050	DODGE	28045
PASCO	27051	D00LY	28046
PINELIAS	27052	DOUGHERTY	28047
POLK	27053	DOUGLAS	28048
PUTNAM	27054	EARLY	28049
ST. JOHNS	27055	ECHOLS	28050
ST. LUCIE	27056	EFFINGHAM	28051
SANTA ROSA	27057	ELBERT	28052
SARASOTA	27058	EMANUEL	28053
SEMINOLE	27059	EVANS	28054
SUMTER	27060	FANNIN	28055
SUWANNEE	27061	FAYETTE	28056
TAYLOR	27062	FLOYD	28057
VOLUSIA	27063	FORSYTH	28058
WAKULLA	27064	FRANKLIN	28059
WALTON	27065	FULTON	28060
WASHINGTON	27066	GILMER	28061
		GLASCOCK	28062
		GLYNN	28063
		GORDON	28064
GEORGIA	28000	GRADY	28065
APPLING	28001	GREENE	28066
ATKINSON	28002	GWINNETT	28067
BACON	28003	HABERSHAM	28068
BAKER	28004	HALL	28069
BALDWIN	28005	HANCOCK	28070
BANKS	28006	HARALSON	28071
BARROW	28007	HARRIS	28072
BARTOW	28008	HART	28073
BEN HILL	28009	HEARD	28074
BERRIEN	28010	HENRY	28075
BIBS	28011	HOUSTON	28076
BLEEKLEY	28012	IRWIN	28077
BRANTLEY	28013	JACKSON	28078
BROOKS	28014	JASPER	28079
BRYAN	28015	JEFF DAVIS	28080
RULLOCH	28016	JEFFERSON	28081
BURKE	28017	JENKINS	28082
BUTTS	28018	JOHNSON	28083
CALHOUN	28019	JONES	28084
CAMDEN	28020	LAMAR	28085
CANDLER	28021	LANIER	28086
CARROLL	28022	LAURENS	28087
CATOOSA	28023	LEE	28088
CHARLTON	28024	LIBERTY	28089
CHATHAM	28025	LINCOLN	28090
CHATTAHOOCHEE	28026	LONG	28091
CHATTOOGA	28027	LOWNDES	28092
CHEROKEE	28028	LUMPKIN	28093
CLARKE	28029	MC DUFFIE	28094
CLAY	28030	MC INTOSH	28095
CLAYTON	28031	MACON	28096
CLINCH	28032	MADISON	28097
COPB	28033	MARION	28098
COFFEE	28034	MERIWETHER	28099
COLOUITT	28035	MILLER	28100
COLUMBIA	28036	MITCHELL	28101
COOKE	28037	MUNROE	28102
COWETA	28038	MONTGOMERY	28103
CRAWFORD	28039	MORGAN	28104
CRISP	28040	MURRAY	28105
DADE	28041	MUSCOGEE	28106

NEWTON	28107	IDAHO	04000
OCONEE	28108	ADA	04001
OGLETHORPE	28109	ADAMS	04002
PAULDING	28110	BANNOCK	04003
PEACH	28111	BEAR LAKE	04004
PICKENS	28112	BENEWAH	04005
PIERCE	28113	BINGHAM	04006
PIKE	28114	BLAINE	04007
POLK	28115	BOISE	04008
PULASKI	28116	BONNER	04009
PUTNAM	28117	BONNEVILLE	04010
OULTMAN	28118	BOUNDARY	04011
RABUN	28119	BUTTE	04012
RANDOLPH	28120	CAMAS	04013
RICHMOND	28121	CANYON	04014
ROCKDALE	28122	CARIBOU	04015
SCHLEY	28123	CASSIA	04016
SCREVEN	28124	CLARK	04017
SEMINOLE	28125	CLEARWATER	04018
SPALDING	28126	CUSTER	04019
STEPHANS	28127	ELLMORE	04020
STEWART	28128	FRANKLIN	04021
SUMTER	28129	FREMONT	04022
TALBOT	28130	GEM	04023
TALIAFERRO	28131	GOODING	04024
TATNALL	28132	IDAHO	04025
TAYLOR	28133	JEROME	04026
TELFAIR	28134	KOOTENAI	04027
TERRELL	28135	LATAH	04028
THOMAS	28136	LEHMI	04029
TIFT	28137	LEWIS	04030
TOOMBS	28138	LINCOLN	04031
TOWNS	28139	MADISON	04032
TREUTLEN	28140	MINIDOKA	04033
TROUP	28141	NEZ PERCE	04034
TURNER	28142	ONEIDA	04035
TWIGGS	28143	OWYHEE	04036
UNION	28144	PAYETTE	04037
UPSON	28145	POWER	04038
WALKER	28146	SHOSHONE	04039
WALTON	28147	TETON	04040
WARE	28148	TWIN FALLS	04041
WARREN	28149	VALLEY	04042
WASHINGTON	28150	WASHINGTON	04043
WAYNE	28151		
WEBSTER	28152		
WHEELER	28153	ILLINOIS	29000
WHITE	28154		
WHITFIELD	28155	ADAMS	29001
WILCOX	28156	ALEXANDER	29002
WILKES	28157	BOND	29003
WILKINSON	28158	BOONE	29004
WORTH	28159	BROWN	29005
		BUREAU	29006
		CALHOUN	29007
HAWAII	22000	CARROLL	29008
HAWAII	22001	CASS	29009
HONOLULU	22002	CHAMPAIGN	29010
KAUAI	22003	CHRISTIAN	29011
MAUI	22004	CLARK	29012
		CLAY	29013
		CLINTON	29014
		COLES	29015
		COOK	29016
		CRAWFORD	29017

CUMBERLAND	29018	SALINE	29083
DE KALB	29019	SANGAMON	29084
DE WITT	29020	SCHUYLER	29085
DOUGLAS	29021	SCOTT	29086
DU PAGE	29022	SHELBY	29087
EDGAR	29023	STARK	29088
EDWARDS	29024	STEPHENSON	29089
EFFINGHAM	29025	TAZEWELL	29090
FAYETTE	29026	UNION	29091
FORD	29027	VERMILLION	29092
FRANKLIN	29028	WABASH	29093
FULTON	29029	WARREN	29094
GALLATIN	29030	WASHINGTON	29095
GREENE	29031	WAYNE	29096
GRUNDY	29032	WHITE	29097
HAMILTON	29033	WHITESIDE	29098
HANCOCK	29034	WILL	29099
HARDIN	29035	WILLIAMSON	29100
HENDERSON	29036	WINNEBAGO	29101
HENRY	29037	WOODFORD	29102
IROQUOIS	29038		
JACKSON	29039	INDIANA	30000
JASPER	29040		
JEFFERSON	29041	ADAMS	30001
JERSEY	29042	ALLEN	30002
JO DAVIESS	29043	BARTHOLOMEW	30003
JOHNSON	29044	BENTON	30004
KANE	29045	BLACKFORD	30005
KANKAKEE	29046	BOONE	30006
KENDALL	29047	BROWN	30007
KNOX	29048	CARROLL	30008
LAKE	29049	CASS	30009
LA SALLE	29050	CLARK	30010
LAWRENCE	29051	CLAY	30011
LEE	29052	CLINTON	30012
LIVINGSTON	29053	CRAWFORD	30013
LOGAN	29054	DAVIESS	30014
MC DONOUGH	29055	DEARBORN	30015
MC HENRY	29056	DECATUR	30016
MC LEAN	29057	DE KALB	30017
MACON	29058	DELAWARE	30018
MACOUPIN	29059	DUBOIS	30019
MADISON	29060	ELKHART	30020
MARION	29061	FAYETTE	30021
MARSHALL	29062	FLOYD	30022
MASON	29063	FOUNTAIN	30023
MASSAC	29064	FRANKLIN	30024
MENARD	29065	FULTON	30025
MERCER	29066	GIBSON	30026
MONROE	29067	GRANT	30027
MONTGOMERY	29068	GREENE	30028
MORGAN	29069	HAMILTON	30029
MOULTRIE	29070	HANCOCK	30030
OGLE	29071	HARRISON	30031
PEORIA	29072	HENDRICKS	30032
PERRY	29073	HENRY	30033
PLATT	29074	HOWARD	30034
PIKE	29075	HUNTINGTON	30035
POPE	29076	JACKSON	30036
PULASKI	29077	JASPER	30037
PUTNAM	29078	JAY	30038
RANDOLPH	29079	JEFFERSON	30039
RICHLAND	29080	JENNINGS	30040
ROCK ISLAND	29081	JOHNSON	30041
ST. CLAIR	29082		

KNOX	30042	BUTLER	19012
KOSCIUSKO	30043	CALHOUN	19013
LAGRANGE	30044	CARROLL	19014
LAKE	30045	CASS	19015
LA PORTE	30046	CEDAR	19016
LAWRENCE	30047	CERRO GORDO	19017
MADISON	30048	CHEROKEE	19018
MARION	30049	CHICKASAW	19019
MARSHALL	30050	CLARKE	19020
MARTIN	30051	CLAY	19021
MIAMI	30052	CLAYTON	19022
MONROE	30053	CLINTON	19023
MONTGOMERY	30054	CRAWFORD	19024
MORGAN	30055	DALLAS	19025
NEWTON	30056	DAVIS	19026
NOBLE	30057	DECATUR	19027
OHIO	30058	DELAWARE	19028
ORANGE	30059	DES MOINES	19029
OWEN	30060	DICKINSON	19030
PARKE	30061	DUBUQUE	19031
PERRY	30062	EMMET	19032
PIKE	30063	FAYETTE	19033
PORTER	30064	FLOYD	19034
POSEY	30065	FRANKLIN	19035
PULASKI	30066	FREMONT	19036
PUTNAM	30067	GREENE	19037
RANDOLPH	30068	GRUNDY	19038
RIPLEY	30069	GUTHRIE	19039
RUSH	30070	HAMILTON	19040
ST. JOSEPH	30071	HANCOCK	19041
SCOTT	30072	HARDIN	19042
SHELBY	30073	HARRISON	19043
SPENCER	30074	HENRY	19044
STARKE	30075	HOWARD	19045
STEBEN	30076	HUMBOLDT	19046
SULLIVAN	30077	IDA	19047
SWITZERLAND	30078	IOWA	19048
TIPPECANOE	30079	JACKSON	19049
TIPTON	30080	JASPER	19050
UNION	30081	JEFFERSON	19051
VANDEBURGH	30082	JOHNSON	19052
VERMILLION	30083	JONES	19053
VIGO	30084	KEOKUK	19054
WABASH	30085	KOSSUTH	19055
WARREN	30086	LEE	19056
WARRICK	30087	LINN	19057
WASHINGTON	30088	LOUISA	19058
WAYNE	30089	LUCAS	19059
WELLS	30090	LYON	19060
WHITE	30091	MADISON	19061
WHITLEY	30092	MAHASKA	19062
IOWA	19000	MARION	19063
		MARSHALL	19064
		MILLS	19065
ADAIR	19001	MITCHELL	19066
ADAMS	19002	MONONA	19067
ALLAMAKEE	19003	MONROE	19068
APPANOOSE	19004	MONTGOMERY	19069
AUDUBON	19005	MUSCATINE	19070
BENTON	19006	O'BRIEN	19071
BLACK HAWK	19007	OSOLA	19072
BOONE	19008	PAGE	19073
BREMER	19009	PALO ALTO	19074
BUCHANAN	19010	PLYMOUTH	19075
BUENA VISTA	19011	POCAHANTAS	19076

POLK	19077	HOOGEMAN	15039
POTTAWATTOMIE	19078	JACKSON	15040
POWESHIEK	19079	JEFFERSON	15041
RINGGOLD	19080	JEWELL	15042
SAC	19081	KEARNY	15043
SCOTT	19082	KINGMAN	15044
SHELBY	19083	KIOWA	15045
SIOUX	19084	LABETTE	15046
STORY	19085	LANE	15047
TAMA	19086	LEAVENWORTH	15048
TAYLOR	19087	LINCOLN	15049
UNION	19088	LINN	15050
VAN BUREN	19089	LOGAN	15051
WAPELLO	19090	LYON	15052
WARREN	19091	MARION	15053
WASHINGTON	19092	MARSHALL	15054
WAYNE	19093	MCPHERSON	15055
WEBSTER	19094	MEADE	15056
WINNEBAGO	19095	MIAMI	15057
WINNESHIEK	19096	MITCHELL	15058
WOODBURY	19097	MONTGOMERY	15059
WORTH	19098	MORRIS	15060
WRIGHT	19099	MORTON	15061
		NEMAHA	15062
		NEOSHO	15063
KANSAS	15000	NESS	15064
ALLEN	15001	NORTON	15065
ANDERSON	15002	OSAGE	15066
ATCHISON	15003	OSBORNE	15067
BARTON	15004	OTTAWA	15068
BOURBON	15005	PAWNEE	15069
BROWN	15006	PHILLIPS	15070
CHASE	15007	POTTAWATOMIE	15071
CHAUTAQUA	15008	PRATT	15072
CHEROKEE	15009	RAWLINS	15073
CHEYENNE	15010	RENO	15074
CLARK	15011	REPUBLIC	15075
CLAY	15012	RICE	15076
CLOUD	15013	RILEY	15077
COFFEY	15014	ROOKS	15078
COMANCHE	15015	RUSH	15079
COWLEY	15016	RUSSELL	15080
CRAWFORD	15017	SALINE	15081
DECATUR	15018	SCOTT	15082
DICKINSON	15019	SEDGEWICK	15083
DONIPHAN	15020	SEWARD	15084
DOUGLAS	15021	SHAWNEE	15085
EDWARDS	15022	SHERIDAN	15086
ELK	15023	SHERMAN	15087
ELLIS	15024	SMITH	15088
ELLSWORTH	15025	STAFFORD	15089
FINNEY	15026	STANTON	15090
FORD	15027	STEVENS	15091
GEARY	15028	SUMNER	15092
GOVE	15029	THOMAS	15093
GRAHAM	15030	TREGO	15094
GRANT	15031	WABAUNSEE	15095
GRAY	15032	WALLACE	15096
GREELY	15033	WASHINGTON	15097
GREENWOOD	15034	WICHITA	15098
HAMILTON	15035	WILSON	15099
HARPER	15036	WOODSON	15100
HARVEY	15037	WYANDOTTE	15101
HASKELL	15038		

KENTUCKY	31000		
ADAIR	31001	LAWRENCE	31064
ALLEN	31002	LEE	31065
ANDERSON	31003	LESLIE	31066
BALLARD	31004	LETCHER	31067
BARREN	31005	LEWIS	31068
BATH	31006	LINCOLN	31069
BELL	31007	LIVINGSTON	31070
BOONE	31008	LOGAN	31071
BOURBON	31009	LYON	31072
BOYD	31010	MC CRACKEN	31073
BOYLE	31011	MC CREARY	31074
BRACKEN	31012	MC LEAN	31075
BREATHITT	31013	MADISON	31076
BRECKINRIDGE	31014	MAGOFIIN	31077
BULLITT	31015	MARION	31078
BUTLER	31016	MARSHALL	31079
CALDWELL	31017	MARTIN	31080
CALLOWAY	31018	MASON	31081
CAMPBELL	31019	MEADE	31082
CARLISLE	31020	MENIFEE	31083
CARROLL	31021	MERCER	31084
CARTER	31022	METCALFE	31085
CASEY	31023	MONROE	31086
CHRISTIAN	31024	MONTGOMERY	31087
CLARK	31025	MORGAN	31088
CLAY	31026	MUHLENBERG	31089
CLINTON	31027	NELSON	31090
CRITTENDEN	31028	NICHOLAS	31091
CUMBERLAND	31029	OHIO	31092
DAVIESS	31030	OLDHAM	31093
EDMONSON	31031	OWEN	31094
ELLIOT	31032	OWSLEY	31095
ESTILL	31033	PENDLETON	31096
FAYETTE	31034	PERRY	31097
FLEMING	31035	PIKE	31098
FLOYD	31036	POWELL	31099
FRANKLIN	31037	PULASKI	31100
FULTON	31038	ROBERTSON	31101
GALLATIN	31039	ROCKCASTLE	31102
GARRARD	31040	ROWAN	31103
GRANT	31041	RUSSELL	31104
GRAVES	31042	SCOTT	31105
GRAYSON	31043	SHELBY	31106
GREENE	31044	SIMPSON	31107
GREENUP	31045	SPENCER	31108
HANCOCK	31046	TAYLOR	31109
HARDIN	31047	TODD	31110
HARLAN	31048	TRIGG	31111
HARRISON	31049	TRIMBLE	31112
HART	31050	UNION	31113
HENDERSON	31051	WARREN	31114
HENRY	31052	WASHINGTON	31115
HICKMAN	31053	WAYNE	31116
HOPKINS	31054	WEBSTER	31117
JACKSON	31055	WHITLEY	31118
JEFFERSON	31056	WOLFE	31119
JESSAMINE	31057	WOODFORD	31120
JOHNSON	31058		
KENTON	31059		
KNOTT	31060		
KNOX	31061		
LARUE	31062		
LAUREL	31063		

LOUISIANA	35000	MAINE	32000
ACADIA	35001	ANDROSCOGGIN	32001
ALLEN	35002	AROOSTOOK	32002
ASCENSION	35003	CUMBERLAND	32003
ASSUMPTION	35004	FRANKLIN	32004
AVOUELLES	35005	HANCOCK	32005
BEAUREGARD	35006	KENNEBEC	32006
BIENVILLE	35007	KNOX	32007
BOSSIER	35008	LINCOLN	32008
CADDO	35009	OXFORD	32009
CALCASIEU	35010	PENOBSCOT	32010
CALDWELL	35011	PISCATAQUIS	32011
CAMERON	35012	SAGADAHOC	32012
CATAHOULA	35013	SOMERSET	32013
CLAIBORNE	35014	WALDO	32014
CONCORDIA	35015	WASHINGTON	32015
DE SOTO	35016	YORK	32016
EAST BATON ROUGE	35017		
EAST CARROLL	35018		
EAST FELICIANA	35019		
EVANGELINE	35020	MARYLAND	33000
FRANKLIN	35021		
GRANT	35022		
IBERIA	35023	ALLEGHANY	33001
IBERVILLE	35024	ANNE ARUNDEL	33002
JACKSON	35025	BALTIMORE	33003
JEFFERSON	35026	CALVERT	33004
JEFFERSON DAVIS	35027	CAROLINE	33005
LAFAYETTE	35028	CARROLL	33006
LAFOURCHE	35029	CECIL	33007
LA SALLE	35030	CHARLES	33008
LINCOLN	35031	DORCHESTER	33009
LIVINGSTON	35032	FREDERICK	33010
MADISON	35033	GARRETT	33011
MOREHOUSE	35034	HARFORD	33012
NATCHITOCHES	35035	HOWARD	33013
ORLEANS	35036	KENT	33014
OUACHITA	35037	MONTGOMERY	33015
PLAQUEMINES	35038	PRINCE GEORGES	33016
POINTE COUPEE	35039	QUEEN ANNES	33017
RAPIDES	35040	ST. MARYS	33018
RED RIVER	35041	SOMERSET	33019
RICHLAND	35042	TALBOT	33020
SABINE	35043	WASHINGTON	33021
ST. BERNARD	35044	WICOMICO	33022
ST. CHARLES	35045	WORCESTER	33023
ST. HELENA	35046		
ST. JAMES	35047		
ST. JOHN	35048		
ST. LANDRY	35049	MASSACHUSETTS	34000
ST. MARTIN	35050		
ST. MARY	35051	BARNSTABLE	34001
ST. TAMMANY	35052	BERKSHIRE	34002
TANGIPAHOA	35053	BRISTOL	34003
TENSAS	35054	DUKES	34004
TEEREBONNE	35055	ESSEX	34005
UNION	35056	FRANKLIN	34006
VERMILLION	35057	HAMPDEN	34007
VERNON	35058	HAMPSHIRE	34008
WASHINGTON	35059	MIDDLESEX	34009
WEBSTER	35060	NANTUCKET	34010
WEST BATON ROUGE	35061	NORFOLK	34011
WEST CARROLL	35062	PLYMOUTH	34012
WEST FELICIANA	35063	SUFFOLK	34013
WINN	35064	WORCESTER	34014

MICHIGAN	36000	OCEANA	36064
ALCONA	36001	OGEMAW	36065
ALGER	36002	ONTONAGUN	36066
ALLEGAN	36003	OSCEOLA	36067
ALPENA	36004	OSCODA	36068
ANTRIM	36005	OTSEGO	36069
ARENAC	36006	OTTAWA	36070
BARAGA	36007	PRESQUE ISLE	36071
BARRY	36008	ROSCOMMON	36072
BAY	36009	SAGINAW	36073
BENZIE	36010	ST. CLAIR	36074
BERRIEN	36011	ST. JOSEPH	36075
BRANCH	36012	SANILAC	36076
CALHOUN	36013	SCHOOLCRAFT	36077
CASS	36014	SHIAWASSEE	36078
CHARLEVOIX	36015	TUSCOLA	36079
CHEBOYGAN	36016	VAN BUREN	36080
CHIPPEWA	36017	WASHTENAW	36081
CLAIRE	36018	WAYNE	36082
CLINTON	36019	WEXFORD	36083
CRAWFORD	36020		
DELTA	36021		
DICKINSON	36022	MINNESOTA	18000
EATON	36023	AITKIN	18001
EMMET	36024	ANOKA	18002
GENESCE	36025	BECKER	18003
GLADWIN	36026	BELTRAMI	18004
GOGEBIC	36027	BIG STONE	18005
GRAND TRAVERSE	36028	BLUE EARTH	18006
GRATIOT	36029	BROWN	18007
HILLSDALE	36030	CARLTON	18008
HOUGHTON	36031	CARVER	18009
HURON	36032	CASS	18010
INGHAM	36033	CHIPPEWA	18011
IONIA	36034	CHISAGO	18012
IOSCO	36035	CLAY	18013
IRON	36036	CLEARWATER	18014
ISABELLA	36037	COOK	18015
JACKSON	36038	COTTONWOOD	18016
KALAMAZOO	36039	CROW WING	18017
KALKASKA	36040	DAKOTA	18018
KENT	36041	DODGE	18019
KEWEENAW	36042	DOUGLAS	18020
LAKE	36043	FAIRBAULT	18021
LAPEER	36044	FILLMORE	18022
LEELANAU	36045	FREEBORN	18023
LENAWEE	36046	GOODHUE	18024
LIVINGSTON	36047	GRANT	18025
LUCE	36048	HENNEPIN	18026
MACKINAC	36049	HOUSTON	18027
MACOMB	36050	HUBBARD	18028
MANISTEE	36051	ISANTI	18029
MARQUETTE	36052	ITASCA	18030
MASON	36053	JACKSON	18031
MECOSTA	36054	KANABECK	18032
MENOMINEE	36055	KANDIYOHI	18033
MIDLAND	36056	KITTSOON	18034
MISSAUKEE	36057	KOOCHICHING	18035
MONROE	36058	LAC OUI PARLE	18036
MONTCALM	36059	LAKE	18037
MONTMORENCY	36060	LAKE OF THE WOODS	18038
MUSKEGON	36061	LE SUEUR	18039
NEWAYGO	36062	LINCOLN	18040
OAKLAND	36063	LYON	18041

MAHNOMEN	18042	FORREST	37018
MARSHALL	18043	FRANKLIN	37019
MARTIN	18044	GEORGE	37020
MCLEOD	18045	GREENE	37021
MEEKER	18046	GRENADA	37022
MILLE LACS	18047	HANCOCK	37023
MORRISON	18048	HARRISON	37024
MOWER	18049	HINDS	37025
MURRAY	18050	HOLMES	37026
NICOLLETT	18051	HUMPHREYS	37027
NOBLES	18052	ISSAOUENA	37028
OLMSTED	18053	ITAWAMBA	37029
OTTER TAIL	18054	JACKSON	37030
PENNINGTON	18055	JASPER	37031
PINE	18056	JEFFERSON	37032
PIPESTONE	18057	JEFFERSON DAVIS	37034
POLK	18058	JONES	37035
POPE	18059	KEMPER	37036
RAMSEY	18060	LAFAYETTE	37037
RED LAKE	18061	LAMAR	37038
REDWOOD	18062	LAUDERDALE	37039
RENVILLE	18063	LAWRENCE	37040
RICE	18064	LEAKE	37041
ROCK	18065	LEE	37042
ROSEAU	18066	LEFLORE	37043
SCOTT	18067	LINCOLN	37044
SHERBURNE	18068	LOWNDES	37045
SIBLEY	18069	MADISON	37046
STEARNS	18070	MARION	37047
STEELE	18071	MARSHALL	37048
STEVENS	18072	MONROE	37049
ST LOUIS	18073	MONTGOMERY	37050
SWIFT	18074	NESHOBA	37051
TODD	18075	NEWTON	37052
TRAVERSE	18076	NOXUBEE	37053
WABASHA	18077	OKTIBBEHA	37054
WADENA	18078	PANOLA	37055
WASECA	18079	PEARL RIVER	37056
WASHINGTON	18080	PERRY	37057
WATONWAN	18081	PIKE	37058
WILKINS	18082	PONTOTOC	37059
WINONA	18083	PRENTISS	37060
WRIGHT	18084	QUITMAN	37061
YELLOW MEDICINE	18085	RANKIN	37062
		SCOTT	37063
		SHARKEY	37064
		SIMPSON	37065
		SMITH	37066
		STONE	37067
		SUNFLOWER	37068
		TALLAHATCHIE	37069
		TATE	37070
		TIPAH	37071
		TISHOMINGO	37072
		TUNICA	37073
		UNION	37074
		WALTHALL	37075
		WARREN	37076
		WASHINGTON	37077
		WAYNE	37078
		WEBSTER	37079
		WILKINSON	37080
		WINSTON	37081
		YALOBUSHA	37082
		YAZOO	37083
MISSISSIPPI	37000		
ADAMS	37001		
ALCORN	37002		
AMITE	37003		
ATTALA	37004		
BENTON	37005		
BOLIVAR	37006		
CALHOUN	37007		
CARROLL	37008		
CHICKASAW	37009		
CHOCTAW	37010		
CLAIBORNE	37011		
CLARKE	37012		
CLAY	37013		
COAHOMA	37014		
COPLAH	37015		
COVINGTON	37016		
DE SOTO	37017		

MISSOURI	20000	MCDONALD	20064
ADAIR	20001	MERCER	20065
ANDREW	20002	MILLER	20066
ATCHISON	20003	MISSISSIPPI	20067
AUDRAIN	20004	MONITEAU	20068
BARRY	20005	MONROE	20069
BARTON	20006	MONTGOMERY	20070
BATES	20007	MORGAN	20071
BENTON	20008	NEW MADRID	20072
BOLLINGER	20009	NEWTON	20073
ROONE	20010	NODAWAY	20074
BUCHANAN	20011	OREGON	20075
BUTLER	20012	OSAGE	20076
CALDWELL	20013	OZARK	20077
CALLAWAY	20014	PEMISCOT	20078
CAMDEN	20015	PERRY	20079
CAPE GIRARDEAU	20016	PETTIS	20080
CARROLL	20017	PHELPS	20081
CARTER	20018	PIKE	20082
CASS	20019	PLATTE	20083
CEDAR	20020	POLK	20084
CHARITON	20021	PULASKI	20085
CHRISTIAN	20022	PUTNAM	20086
CLARK	20023	RALLS	20087
CLAY	20024	RANDOLPH	20088
CLINTON	20025	RAY	20089
COLE	20026	REYNOLDS	20090
COOPER	20027	RIPLEY	20091
CRAWFORD	20028	SALINE	20092
DADE	20029	SCHUYLER	20093
DALLAS	20030	SCOTLAND	20094
DAVISS	20031	SCOTT	20095
DE KALB	20032	SHANNON	20096
DENT	20033	SHELBY	20097
DOUGLAS	20034	ST. CHARLES	20098
DUNKLIN	20035	ST. CLAIR	20099
FRANKLIN	20036	STE. GENEVIEVE	20100
GASCONADE	20037	ST. FRANCOIS	20101
GENTRY	20038	ST. LOUIS	20102
GREENE	20039	ST. LOUIS CITY	20103
GRUNDY	20040	STODDARD	20104
HARRISON	20041	STONE	20105
HENRY	20042	SULLIVAN	20106
HICKORY	20043	TANEY	20107
HOLT	20044	TEXAS	20108
HOWARD	20045	VERNON	20109
HOWELL	20046	WARREN	20110
IRON	20047	WASHINGTON	20111
JACKSON	20048	WAYNE	20112
JASPER	20049	WEBSTER	20113
JEFFERSON	20050	WORTH	20114
JOHNSON	20051	WRIGHT	20115
KNOX	20052		
LACLEDE	20053		
LAFAYETTE	20054	MONTANA	08000
LAWRENCE	20055	BEAVERHEAD	08001
LEWIS	20056	BIG HORN	08002
LINCOLN	20057	BLAIN	08003
LINN	20058	BROADWATER	08004
LIVINGSTON	20059	CARBON	08005
MACON	20060	CARTER	08006
MADISON	20061	CASCADE	08007
MARIES	20062	CHOUTEAU	08008
MARION	20063	CUSTER	08009

DANIELS	08010	CHEYENNE	14017
DAWSON	08011	CLAY	14018
DEER LODGE	08012	COLFAX	14019
FALLON	08013	CUMING	14020
FERGUS	08014	CUSTER	14021
FLATHEAD	08015	DAKOTA	14022
GALLATIN	08016	DAWES	14023
GARFIELD	08017	DAWSON	14024
GLACIER	08018	DEUEL	14025
GOLDEN VALLEY	08019	DIXON	14026
GRANITE	08020	DODGE	14027
HILL	08021	DOUGLAS	14028
JEFFERSON	08022	DUNDY	14029
JUDITH BASIN	08023	FILLMORE	14030
LAKE	08024	FRANKLIN	14031
LEWIS AND CLARK	08025	FRONTIER	14032
LIBERTY	08026	FURNAS	14033
LINCOLN	08027	GAGE	14034
MADISON	08028	GARDEN	14035
MCCONE	08029	GARFIELD	14036
MEAGHER	08030	GOSPER	14037
MINERAL	08031	GRANT	14038
MISSOULA	08032	GREELY	14039
MUSSELSHELL	08033	HALL	14040
PHILLIPS	08034	HAMILTON	14041
PONDERA	08035	HARLAN	14042
POWDER RIVER	08036	HAYES	14043
POWELL	08037	HITCHCOCK	14044
PRAIRIE	08038	HOLT	14045
RAVALLI	08039	HOOKER	14046
RICHLAND	08040	HOWARD	14047
ROOSEVELT	08041	JEFFERSON	14048
ROSEBUD	08042	JOHNSON	14049
SANDERS	08043	KEARNY	14050
SILVER BOW	08044	KEITH	14051
STILLWATER	08045	KEYA PAHA	14052
SWEET GRASS	08046	KIMBALL	14053
TETON	08047	KNOX	14054
TOOLE	08048	LANCASTER	14055
TREASURE	08049	LOGAN	14056
VALLEY	08050	LOUP	14057
WHEATLAND	08051	MADISON	14058
WIBAUX	08052	MCPHERSON	14059
YELLOWSTONE	08053	MERRICK	14060
PARK	08054	MORRIL	14061
		NANCE	14062
		NEMAHA	14063
NEBRASKA	14000	NUCKOLLS	14064
ADAMS	14001	OTOE	14065
ANTELOPE	14002	PAWNEE	14066
ARTHUR	14003	PERKINS	14067
BANNER	14004	PHELPS	14068
BLAINE	14005	PIERCE	14069
BOONE	14006	PLATTE	14070
BOX BUTTE	14007	POLK	14071
BOYD	14008	RED WILLOW	14072
BROWN	14009	RICHARDSON	14073
BUFFALO	14010	ROCK	14074
BURT	14011	SALINE	14075
BUTLER	14012	SARPY	14076
CASS	14013	SAUNDERS	14077
CEDAR	14014	SCOTTS BLUFF	14078
CHASE	14015	SEWARD	14079
CHERRY	14016	SHERIDAN	14080
		SHERMAN	14081

SIoux	14082	NEW MEXICO	11000
STANTON	14083	BERNALILLO	11001
THAYER	14084	CATRON	11002
THOMAS	14085	CHAVES	11003
THURSTON	14086	COLFAX	11004
VALLEY	14087	CURRY	11005
WASHINGTON	14088	DE BACA	11006
WAYNE	14089	DONA ANA	11007
WEBSTER	14090	EDDY	11008
WHEELER	14091	GRANT	11009
		GUADALUPE	11010
NEVADA	05000	HARDING	11011
CHURCHILL	05001	HIDALGO	11012
CLARK	05002	LEA	11013
DOUGLAS	05003	LINCOLN	11014
ELKO	05004	LOS ALAMOS	11015
ESMERELDA	05005	LUNA	11016
EUREKA	05006	MCKINLEY	11017
HUMBOLDT	05007	MORA	11018
LANDER	05008	OTERO	11019
LINCOLN	05009	QUAY	11020
LYON	05010	RIO ARriba	11021
MINERAL	05011	ROOSEVELT	11022
NYE	05012	SANDOVAL	11023
ORMSBY	05013	SAN JUAN	11024
PERSHING	05014	SAN MIGUEL	11025
STORY	05015	SANTA FE	11026
WASHOE	05016	SIERRA	11027
WHITE PINE	05017	SOCORRO	11028
		TAOS	11029
NEW HAMPSHIRE	38000	TORRANCE	11030
BELKNAP	38001	UNION	11031
CARROLL	38002	VALENCIA	11032
CHESHIRE	38003		
COOS	38004	NEW YORK	40000
GRAFTON	38005	ALBANY	40001
HILLSBOROUGH	38006	ALLEGHANY	40002
MERRIMACK	38007	BRONX	40003
ROCKINGHAM	38008	BROOME	40004
STAFFORD	38009	CATTARAUGUS	40005
SULLIVAN	38010	CAYUGA	40006
		CHAUTAUGUA	40007
NEW JERSEY	39000	CHEMUNG	40008
ATLANTIC	39001	CHENANGO	40009
BERGEN	39002	CLINTON	40010
BURLINGTON	39003	COLUMBIA	40011
CAMDEN	39004	CORTLAND	40012
CAPE MAY	39005	DELAWARE	40013
CUMBERLAND	39006	DUTCHESS	40014
ESSEX	39007	ERIE	40015
GLOUCESTER	39008	ESSEX	40016
HUDSON	39009	FRANKLIN	40017
HUNTERDON	39010	FULTON	40018
MERCER	39011	GENESSEE	40019
MIDDLESEX	39012	GREENE	40020
MONMOUTH	39013	HAMILTON	40021
MORRIS	39014	HERKIMER	40022
OCEAN	39015	JEFFERSON	40023
PASSAIC	39016	KINGS	40024
SALEM	39017	LEWIS	40025
SOMERSET	39018	LIVINGSTON	40026
SUSSEX	39019	MADISON	40027
UNION	39020	MONROE	40028
WARREN	39021	MONTGOMERY	40029

NASSAU	40030	DAVIE	41030
NEW YORK	40031	DUPLIN	41031
NIAGARA	40032	DURHAM	41032
ONEIDA	40033	EDGECOMBE	41033
ONONDAGA	40034	FORSYTH	41034
ONTARIO	40035	FRANKLIN	41035
ORANGE	40036	GASTON	41036
ORLEANS	40037	GATES	41037
OSWEGO	40038	GRAHAM	41038
OTSEGO	40039	GRANVILLE	41039
PUTNAM	40040	GREENE	41040
QUEENS	40041	GUILFORD	41041
RENSSELAER	40042	HALIFAX	41042
RICHMOND	40043	HARNETT	41043
ROCKLAND	40044	HAYWOOD	41044
ST. LAWRENCE	40045	HENDERSON	41045
SARATOGA	40046	HERTFORD	41046
SCHENECTADY	40047	HOKE	41047
SCHOHARIE	40048	HYDE	41048
SCHUYLER	40049	IREDELL	41049
SENECA	40050	JACKSON	41050
STEUBEN	40051	JOHNSTON	41051
SUFFOLK	40052	JONES	41052
SULLIVAN	40053	LEE	41053
TIOGA	40054	LENOIR	41054
TOMPKINS	40055	LINCOLN	41055
ULSTER	40056	MCDOWELL	41056
WARREN	40057	MACON	41057
WASHINGTON	40058	MADISON	41058
WAYNE	40059	MARTIN	41059
WESTCHESTER	40060	MECKLENBURG	41060
WYOMING	40061	MITCHELL	41061
YATES	40062	MONTGOMERY	41062
		MOORE	41063
		NASH	41064
NORTH CAROLINA	41000	NEW HANOVER	41065
ALAMANEE	41001	NORTHAMPTON	41066
ALEXANDER	41002	ONslow	41067
ALLEGHANY	41003	ORANGE	41068
ANSON	41004	PAMLICO	41069
ASHE	41005	PASQUOTANK	41070
AVERY	41006	PENDER	41071
BEAUFORT	41007	PERQUIMANS	41072
BERTLE	41008	PERSON	41073
BLADEN	41009	PITT	41074
BRUNSWICK	41010	POLK	41075
BUNCOMBE	41011	RANDOLPH	41076
BURKE	41012	RICHMOND	41077
CABARRUS	41013	ROVESON	41078
CALDWELL	41014	ROCKINGHAM	41079
CAMDEN	41015	ROWAN	41080
CARTERET	41016	RUTHERFORD	41081
CASWELL	41017	SAMPSON	41082
CATAWBA	41018	SANLY	41083
CHATHAM	41019	SCOTLAND	41084
CHEROKEE	41020	STOKES	41085
CHOWAN	41021	SURRY	41086
CLAY	41022	SWAIN	41087
CLEVELAND	41023	TRANSYLVANIA	41088
COLUMBUS	41024	TYRRELL	41089
CRAVEN	41025	UNION	41090
CUMBERLAND	41026	VANCE	41091
CURRITUCK	41027	WAKE	41092
DARE	41028	WARREN	41093
DAVIDSON	41029	WASHINGTON	41094

WATAUGE	41095	OHIO	42000
WAYNE	41096		
WILKES	41097	ADAMS	42001
WILSON	41098	ALLEN	42002
YADKIN	41099	ASHLAND	42003
YANCEY	41100	ASHTABULA	42004
		ATHENS	42005
		AUGLAIZE	42006
NORTH DAKOTA	12000	BELMONT	42007
		BROWN	42008
ADAMS	12001	BUTLER	42009
BARNES	12002	CARROLL	42010
BENSON	12003	CHAMPAIGN	42011
BILLINGS	12004	CLARK	42012
BOTTINEAU	12005	CLERMONT	42013
BOWMAN	12006	CLINTON	42014
BURKE	12007	COLUMBIANA	42015
BURLEIGH	12008	COSHOCTON	42016
CASS	12009	CRAWFORD	42017
CAVALIER	12010	CUYAHOGA	42018
DICKEY	12011	DARKE	42019
DIVIDE	12012	DEFIANCE	42020
DUNN	12013	DELAWARE	42021
EDDY	12014	ERIE	42022
EMMONS	12015	FAIRFIELD	42023
FOSTER	12016	FAYETTE	42024
GOLDEN VALLEY	12017	FRANKLIN	42025
GRAND FORKS	12018	FULTON	42026
GRANT	12019	GALLIA	42027
GRIGGS	12020	GEAUGA	42028
HETTINGER	12021	GREENE	42029
KIDDER	12022	GUERNSEY	42030
LA MOURE	12023	HAMILTON	42031
LOGAN	12024	HANCOCK	42032
MCHENRY	12025	HARDIN	42033
MCINTOSH	12026	HARRISON	42034
MCKENZIE	12027	HENRY	42035
MCLEAN	12028	HIGHLAND	42036
MORTON	12029	HOCKING	42037
MOUNTRAIL	12030	HOLMES	42038
NELSON	12031	HURON	42039
OLIVER	12032	JACKSON	42040
PEMBINA	12033	JEFFERSON	42041
PIERCE	12034	KNOX	42042
RAMSEY	12035	LAKE	42043
RANSOM	12036	LAWRENCE	42044
RENVILLE	12037	LICKING	42045
RICHLAND	12038	LOGAN	42046
ROLETTE	12039	LORAIN	42047
SARGENT	12040	LUCAS	42048
SHERIDAN	12041	MADISON	42049
SIOUX	12042	MAHONING	42050
SLOPE	12043	MARION	42051
STARK	12044	MEDINA	42052
STEELE	12045	MEIGS	42053
STUTSMAN	12046	MERCER	42054
TOWNER	12047	MIAMI	42055
TRAILL	12048	MONROE	42056
WALSH	12049	MONTGOMERY	42057
WELLS	12050	MORGAN	42058
WILLIAMS	12051	MORROW	42059
		MUSKINGUM	42060
		NOBLE	42061
		OTTAWA	42062
		PAULDING	42063

PERRY	42064
PICKAWAY	42065
PIKE	42066
PORTAGE	42067
PREBLE	42068
PUTNAM	42069
RICHLAND	42070
ROSS	42071
SANDUSKY	42072
SCIOTO	42073
SENECA	42074
SHELBY	42075
STARK	42076
SUMMIT	42077
TRUMBULL	42078
TUSCARAWAS	42079
UNION	42080
VAN WERT	42081
VINTON	42082
WARREN	42083
WASHINGTON	42084
WAYNE	42085
WILLIAMS	42086
WOOD	42087
WYANDOT	42088

OKLAHOMA	16000
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ADAIR	16001
ALFALFA	16002
ATOKA	16003
BEAVER	16004
BECKHAM	16005
BLAINE	16006
BRYAN	16007
CADDO	16008
CARTER	16010
CANADIAN	16009
CHEROKEE	16011
CIMARRON	16012
CLEVELAND	16013
COAL	16014
COMANCHE	16015
COTTON	16016
CRAIG	16017
CREEK	16018
CUSTER	16019
DELAWARE	16020
DEWEY	16021
ELLIS	16022
GARFIELD	16023
GARVIN	16024
GRADY	16025
GRANT	16026
GREER	16027
HARMON	16028
HARPER	16029
HASKELL	16030
HUGHES	16031
JACKSON	16032
JEFFERSON	16033
JOHNSTON	16034
KAY	16035
KINGFISHER	16036

KIOWA	16037
LATIMER	16038
LE FLORE	16039
LINCOLN	16040
LOGAN	16041
LOVE	16042
MAJOR	16043
MARSHALL	16044
MAYES	16045
MCCLAIN	16046
MCCURTAIN	16047
MCINTOSH	16048
MURRAY	16049
MUSKOGEE	16050
NOBLE	16051
NOWATA	16052
OKFUSKEE	16053
OKLAHOMA	16054
OKMULGEE	16055
OSAGE	16056
OTTAWA	16057
PAWNEE	16058
PAYNE	16059
PITTSBURG	16060
PONTOTOC	16061
POTTAWATOMIE	16062
PUSHMATAHA	16063
ROGER MILLS	16064
ROGERS	16065
SE000YAH	16066
SEMINOLE	16067
STEPHENS	16068
TEXAS	16069
TILLMAN	16070
TULSA	16071
WAGONER	16072
WASHINGTON	16073
WASHITA	16074
WOODS	16075
WOODWARD	16076

OREGON	02000
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BAKER	02001
BENTON	02002
CLACKAMAS	02003
CLATSOP	02004
COLUMBIA	02005
COOS	02006
CROOK	02007
CURRY	02008
DESCHUTES	02009
DOUGLAS	02010
GILLIAM	02011
GRANT	02012
HARNEY	02013
HOOD RIVER	02014
JACKSON	02015
JEFFERSON	02016
JOSEPHINE	02017
KLAMATH	02018
LAKE	02019
LANE	02020
LINCOLN	02021

LINN	02022	MONTGOMERY	43046
MALHEUR	02023	MONTOUR	43047
MARION	02024	NORTHAMPTON	43048
MORROW	02025	NORTHUMBERLAND	43049
MULTNOMAH	02026	PERRY	43050
POLK	02027	PHILADELPHIA	43051
SHERMAN	02028	PIKE	43052
TILLAMOOK	02029	POTTER	43053
UMATILLA	02030	SCHUYLKILL	43054
UNION	02031	SNYDER	43055
WALLOWA	02032	SOMERSET	43056
WASCO	02033	SULLIVAN	43057
WASHINGTON	02034	SUSQUEHANNA	43058
WHEELER	02035	TIOGA	43059
YAMHILL	02036	UNION	43060
		VENANGO	43061
PENNSYLVANIA	43000	WARREN	43062
		WASHINGTON	43063
		WAYNE	43064
ADAMS	43001	WESTMORELAND	43065
ALLEGHANY	43002	WYOMING	43066
ARMSTRONG	43003	YORK	43067
BEAVER	43004		
BEDFORD	43005	PUERTO RICO	51000
BERKS	43006		
BLAIR	43007	RHODE ISLAND	44000
BRADFORD	43008		
BUCKS	43009	BRISTOL	44001
BUTLER	43010	KENT	44002
CAMBRIA	43011	NEWPORT	44003
CAMERON	43012	PROVIDENCE	44004
CARBON	43013	WASHINGTON	44005
CENTRE	43014		
CHESTER	43015	SOUTH CAROLINA	45000
CLARION	43016		
CLEARFIELD	43017	ABBEVILLE	45001
CLINTON	43018	AIKEN	45002
COLUMBIA	43019	ALLENDALE	45003
CRAWFORD	43020	ANDERSON	45004
CUMBERLAND	43021	BAMBERG	45005
DAUPHIN	43022	BARNWELL	45006
DELAWARE	43023	BEAUFORT	45007
ELK	43024	BERKELEY	45008
ERIE	43025	CALHOUN	45009
FAYETTE	43026	CHARLESTON	45010
FOREST	43027	CHEROKEE	45011
FRANKLIN	43028	CHESTER	45012
FULTON	43029	CHESTERFIELD	45013
GREENE	43030	CLARENDON	45014
HUNTINGDON	43031	COLLETOR	45015
INOLANA	43032	DARLINGTON	45016
JEFFERSON	43033	DILLON	45017
JUNIATA	43034	DORCHESTER	45018
LACKAWANNA	43035	EDGEFIELD	45019
LANCASTER	43036	FAIRFIELD	45020
LAWRENCE	43037	FLORENCE	45021
LEBANON	43038	GEORGETOWN	45022
LEHIGH	43039	GREENVILLE	45023
LUZERNE	43040	GREENWOOD	45024
LYCOMING	43041	HAMPTON	45025
MCKEAN	43042	HURRY	45026
MERCER	43043	JASPER	45027
MIFFLIN	43044	KERSHAW	45028
MONROE	43045		

92 SOUTH CAROLINA (CONT.)

LANCASTER	45029	MCPHERSON	13045
LAURENS	45030	MEADE	13046
LEE	45031	MELLETTE	13047
LEXINGTON	45032	MINER	13048
MCCORMICK	45033	MINNEHAHA	13049
MARION	45034	MOODY	13050
MARLBORO	45035	PENNINGTON	13051
NEWBERRY	45036	PERKINS	13052
OCONEE	45037	POTTER	13053
ORANGEBURG	45038	ROBERTS	13054
PICKENS	45039	SANBORN	13055
RICHLAND	45040	SHANNON	13056
SALUDA	45041	SPINK	13057
SPARTENSBURG	45042	STANLEY	13058
SUMTER	45043	SULLY	13059
UNION	45044	TODD	13060
WILLIAMSBURG	45045	TRIPP	13061
YORK	45046	TURNER	13062
SOUTH DAKOTA	13000	UNION	13063
AURORA	13001	WALWORTH	13064
BEADLE	13002	WASHABAUGH	13065
BENNETT	13003	YANKTON	13066
BON HOMME	13004	ZIEBACH	13067
BROOKINGS	13005	TENNESSEE	46000
BROWN	13006	ANDERSON	46001
BRULE	13007	BEDFORD	46002
BUFFALO	13008	BENTON	46003
BUTTE	13009	BLED SOE	46004
CAMPBELL	13010	BLOUNT	46005
CHARLES MIX	13011	BRADLEY	46006
CLARK	13012	CAMPBELL	46007
CLAY	13013	CANNON	46008
CODINGTON	13014	CARROLL	46009
CORSON	13015	CARTER	46010
CUSTER	13016	CHEATHAM	46011
DAVISON	13017	CHESTER	46012
DAY	13018	CLAIBORNE	46013
DEUEL	13019	CLAY	46014
DEWEY	13020	COCKE	46015
DOUGLAS	13021	COFFEE	46016
EDMUNDS	13022	CROCKETT	46017
FALL RIVER	13023	CUMBERLAND	46018
FAULK	13024	DAVIDSON	46019
GRANT	13025	DECATUR	46020
GREGORY	13026	DE KALB	46021
HAAKON	13027	DICKSON	46022
HAMLIN	13028	DYER	46023
HAND	13029	FAYETTE	46024
HANSON	13030	FENTRESS	46025
HARDING	13031	FRANKLIN	46026
HUGHES	13032	GIBSON	46027
HUTCHINSON	13033	GILES	46028
HYDE	13034	GRAINGER	46029
JACKSON	13035	GREENE	46030
JERAULD	13036	GRUNDY	46031
JONES	13037	HAMBLEN	46032
KINGSBURY	13038	HAMILTON	46033
LAKE	13039	HANCOCK	46034
LAWRENCE	13040	HARDEMAN	46035
LINCOLN	13041	HARDIN	46036
LYMAN	13042	HAWKINS	46037
MARSHALL	13043	HAYWOOD	46038
MCCOOK	13044	HENDERSON	46039

HENRY	46040	ARMSTRONG	17006
HICKMAN	46041	ATASCOSA	17007
HOUSTON	46042	AUSTIN	17008
HUMPHREYS	46043	BAILEY	17009
JACKSON	46044	BANDERA	17010
JEFFERSON	46045	BASTROP	17011
JOHNSON	46046	BEE	17012
KNOX	46047	BELL	17013
LAKE	46048	BEXAR	17014
LAUDERDALE	46049	BLANCO	17015
LAWRENCE	46050	BORDEN	17016
LEWIS	46051	BOSQUE	17017
LINCOLN	46052	BOWIE	17018
LONDON	46053	BRAZORIA	17019
MCMINN	46054	BRAZOS	17020
MCNAIRY	46055	(BREWSTER)	17064
MACON	46056	BRISCOE	17021
MADISON	46057	BROOKS	17022
MARION	46058	BROWN	17023
MARSHALL	46059	BURLESON	17024
MAURY	46060	BURNET	17025
MEIGS	46061	CALDWELL	17026
MONROE	46062	CALHOUN	17027
MONTGOMERY	46063	CALLAHAN	17028
MOORE	46064	CAMERON	17029
MORGAN	46065	CAMP	17030
OBLON	46066	CARSON	17031
OVERTON	46067	CASS	17032
PERRY	46068	CASTRO	17033
PICKETT	46069	CHAMBERS	17034
POLK	46070	CHEROKEE	17035
PUTNAM	46071	CHILDRESS	17036
RHEA	46072	CLAY	17037
ROANE	46073	COCHRAN	17038
ROBERTSON	46074	COKE	17039
RUTHERFORD	46075	COLEMAN	17040
SCOTT	46076	COLLIN	17041
SEQUATCHIE	46077	COLLINGSWORTH	17042
SEVIER	46078	COLORADO	17043
SHELBY	46079	COMAL	17044
SMITH	46080	COMANCHE	17045
STEWART	46081	CONCHO	17046
SULLIVAN	46082	COOKE	17047
SUMNER	46083	CORYELL	17048
TIPTON	46084	COTTLE	17049
TROUSDALE	46085	CRANE	17050
UNICOL	46086	CROCKETT	17051
UNION	46087	CROSBY	17052
VAN BUREN	46088	CULBERTSON	17053
WARREN	46089	DALLAM	17054
WASHINGTON	46090	DALLAS	17055
WAYNE	46091	DAWSON	17056
WEAKLY	46092	DAYLOR	17057
WHITE	46093	DEAF SMITH	17058
WILLIAMSON	46094	DELTA	17059
WILSON	46095	DENTON	17060
TEXAS	17000	DE WITT	17061
		DIMMIT	17062
		DONLEY	17063
		BREWSTER	17064
ANDERSON	17001	DUVAL	17065
ANDREWS	17002	EASTLAND	17066
ANGELINA	17003	ECTOR	17067
ARANSAS	17004	EDWARDS	17068
ARCHER	17005	ELLIS	17069

EL PASO	17070	KLEBERG	17135
ERATH	17071	KNOX	17136
FALLS	17072	LAMAR	17137
FANNIN	17073	LAMB	17138
FAYETTE	17074	LAMPASAS	17139
FISHER	17075	LA SALLE	17140
FLOYD	17076	LAVACA	17141
FOARD	17077	LEE	17142
FORT BEND	17078	LEON	17143
FRANKLIN	17079	LIBERTY	17144
FREESTONE	17080	LIMESTONE	17145
FRIO	17081	LIPSCOMB	17146
GAINES	17082	LIVE OAK	17147
GALVESTON	17083	LLANO	17148
GARZA	17084	LOVING	17149
GILLESPIE	17085	LUBBOCK	17150
GLASS-COCK	17086	LYNN	17151
GOLIAD	17087	MADISON	17152
GONZALES	17088	MARION	17153
GRAY	17089	MARTIN	17154
GRAYSON	17090	MASON	17155
GREGG	17091	MATAGORDA	17156
GRIMES	17092	MAVERICK	17157
GUADALUPE	17093	MCCULLOCH	17158
HALE	17094	MCLENNAN	17159
HALL	17095	MCMULLEN	17160
HAMILTON	17096	MEDINA	17161
HANSFORD	17097	MENARD	17162
HARDEMAN	17098	MIDLAND	17163
HARWIN	17099	MILAM	17164
HARRIS	17100	MILLS	17165
HARRISON	17101	MITCHELL	17166
HARTLEY	17102	MONTAGUE	17167
HASKELL	17103	MONTGOMERY	17168
HAYS	17104	MOORE	17169
HEMPHILL	17105	MORRIS	17170
HENDERSON	17106	MOTLEY	17171
HIDALGO	17107	NACOGDOCHES	17172
HILL	17108	NAVARRO	17173
HOCKLEY	17109	NEWTON	17174
HOOD	17110	NOLAN	17175
HOPKINS	17111	NUECES	17176
HOUSTON	17112	OCHILTREE	17177
HOWARD	17113	OLDMAN	17178
HUDSPETH	17114	ORANGE	17179
HUNT	17115	PALO PINTO	17180
HUTCHINSON	17116	PANOLA	17181
IRION	17117	PARKER	17182
JACK	17118	PARMER	17183
JACKSON	17119	PECOS	17184
JASPER	17120	POLK	17185
JEFF DAVIS	17121	POTTER	17186
JEFFERSON	17122	PRESIDIO	17187
JIM HOOG	17123	RAINS	17188
JOHNSON	17124	RANDALL	17189
JONES	17125	REAGAN	17190
KARNES	17126	REAL	17191
KAUFMAN	17127	RED RIVER	17192
KENDALL	17128	REEVES	17193
KENEDY	17129	REFUGIO	17194
KENT	17130	ROBERTS	17195
KERR	17131	ROBERTSON	17196
KIMBLE	17132	ROCKWALL	17197
KING	17133	RUNNELS	17198
KINNEY	17134	RUSK	17199

SABINE	17200	GRAND	06010
SAN AUGUSTINE	17201	IRON	06011
SAN JACINTO	17202	JUAB	06012
SAN PATRICIO	17203	KANE	06013
SAN SABA	17204	MILLARD	06014
SCHLEICHER	17205	MORGAN	06015
SCURRY	17206	PIUTE	06016
SHACKLEFORD	17207	RICH	06017
SHELBY	17208	SALT LAKE	06018
SHERMAN	17209	SAN JUAN	06019
SMITH	17210	SANPETE	06020
SOMERVELL	17211	SEVIER	06021
STARR	17212	SUMMIT	06022
STEPHENS	17213	TOOELE	06023
STERLING	17214	UINTAH	06024
STONEWALL	17215	UTAH	06025
SUTTON	17216	WASATCH	06026
SWISHER	17217	WASHINGTON	06027
TARRANT	17218	WAYNE	06028
TAYLOR	17219	WESER	06029
TERRELL	17220		
TERRY	17221	VERMONT	47000
THROCKMORTON	17222		
TITUS	17223	ADDISON	47001
TOM GREEN	17224	BENNINGTON	47002
TRAVIS	17225	CALEDONIA	47003
TRINITY	17226	CHITTENDON	47004
TYLER	17227	ESSEX	47005
UM WELLS	17228	FRANKLIN	47006
UPSHUR	17229	GRAND ISLE	47007
UPTON	17230	LAMOILLE	47008
UVALDE	17231	ORANGE	47009
VAL VERDE	17232	ORLEANS	47010
VAN ZANOT	17233	RUTLAND	47011
VICTORIA	17234	WASHINGTON	47012
WALKER	17235	WINDHAM	47013
WALLER	17236	WINDSOR	47014
WARD	17237		
WASHINGTON	17238	VIRGINIA	48000
WEBB	17239		
WHARTON	17240	ACCOMACK	48001
WHEELER	17241	ALBEMARLE	48002
WITCHITA	17242	ALLEGHANY	48003
WILLACY	17243	AMELIA	48004
WILLIAMSON	17244	AMHEARST	48005
WILLSON	17245	APPOMATTOX	48006
WINKLER	17246	ARLINGTON	48007
WISE	17247	AUGUSTA	48008
WOOD	17248	BATH	48009
YOAKUM	17249	BEDFORD	48010
YOUNG	17250	BLAND	48011
ZAPATA	17251	BOTETOURT	48012
ZAVALA	17252	BRUNSWICK	48013
		BUCHANAN	48014
UTAH	06000	BUCKINGHAM	48015
BEAVER	06001	CAMPBELL	48016
BOX ELDER	06002	CAROLINE	48017
CACHE	06003	CARROLL	48018
CARBON	06004	CHARLES CITY	48019
DAGGETT	06005	CHARLOTTE	48020
DAVIS	06006	CHESTERFIELD	48021
DUCHESNE	06007	CLARKE	48022
EMERY	06008	CRAIG	48023
GARFIELD	06009	CUIPEPPER	48024

CUMBERLAND	48025	TAZEWELL	48090
DICKENSON	48026	WARREN	48091
DINWIDDIE	48027	WASHINGTON	48092
ESSEX	48028	WESTMORELAND	48093
FAIRFAX	48029	WISE	48094
FAUQUIER	48030	WYTHE	48095
FLOYD	48031	YORK	48096
FLUVANNA	48032		
FRANKLIN	48033		
FREDERICK	48034	WASHINGTON	03000
GILES	48035		
GLOUCESTER	48036	ADAMS	03001
GOOCHLAND	48037	ASUTIN	03002
GRAYSON	48038	BENTON	03003
GREENE	48039	CHELAN	03004
GREENSVILLE	48040	CLALLAM	03005
HALIFAX	48041	CLARK	03006
HANOVER	48042	COLUMBIA	03007
HENRICO	48043	COWLITZ	03008
HENRY	48044	DOUGLAS	03009
HIGHLAND	48045	FERRY	03010
ISLE OF WIGHT	48046	FRANKLIN	03011
JAMES CITY	48047	GARFIELD	03012
KING AND QUEEN	48048	GRANT	03013
KING GEORGE	48049	GRAYS HARBOR	03014
KING WILLIAM	48050	ISLAND	03015
LANCASTER	48051	JEFFERSON	03016
LEE	48052	KING	03017
LOUDOUN	48053	KLICKITAT	03018
LOUISA	48054	KITSAP	03019
LURENBURG	48055	KITTITAS	03020
MADISON	48056	LEWIS	03021
MATHEWS	48057	LINCOLN	03022
MECKLENBURG	48058	MASON	03023
MIDDLESEX	48059	OKANOGAN	03024
MONTGOMERY	48060	PACIFIC	03025
NANSEMOND	48061	PEND OREILLE	03026
NELSON	48062	PIERCE	03027
NEW KENT	48063	SAN JUAN	03028
NORTHAMPTON	48064	SKAGIT	03029
NORTHUMBERLAND	48065	SKAMANIA	03030
NOTTOWAY	48066	SNOHOMISH	03031
ORANGE	48067	SPOKANE	03032
PAGE	48068	STEVENS	03033
PATRICK	48069	THURSTON	03034
PITTSYLVANIA	48070	WAHIAKUM	03035
POWHATAN	48071	WALLA WALLA	03036
PRINCE EDWARD	48072	WHATCOM	03037
PRINCE GEORGE	48073	WHITMAN	03038
PRINCE WILLIAM	48074	YAKIMA	03039
PULASKI	48075		
RAPPAHANNOCK	48076		
RICHMOND	48077	WEST VIRGINIA	49000
ROANOKE	48078		
ROCKBRIDGE	48079	BARBOUR	49001
ROCKINGHAM	48080	BERKELEY	49002
RUSSELL	48081	BOONE	49003
SCOTT	48082	BRAXTON	49004
SHENANDOAH	48083	BROOKE	49005
SMYTH	48084	CABELL	49006
SOUTHAMPTON	48085	CALHOUN	49007
SPOTSYLVANIA	48086	CLAY	49008
STAFFORD	48087	DODORIDGE	49009
SURRY	48088	FAYETTE	49010
SUSSEX	48089	GILMER	49011

98 WYOMING (CONT)

FREMONT	09007
GOSHEN	09008
HOT SPRINGS	09009
JOHNSON	09010
LINCOLN	09011
LARAMIE	09012
NATRONA	09013
NIOBRARA	09014
PARK	09015
PLATTE	09016
SHERIDAN	09017
SUBLETTE	09018
SWEETWATER	09019
TETON	09020
UINTA	09021
WASHAKIE	09022
WESTON	09023
YELLOWSTONE NATIONAL PARK	09024



TREE SPECIES CODES – NUMERIC

000	UNIDENTIFIED GENERA OF SOFTWOODS	(AVOID USE OF 000)
001-499	ALL SOFTWOOD SPECIES	
001	DOUGLAS-FIR	PSEUDOTSUGA MENZIESII
002	DOUGLAS-FIR, BIGCONE	PSEUDOTSUGA MACROCARPA
003		
004		
005	COAST REDWOOD	SEQUOIA SEMPERVIRENS
006	GIANT SEQUOIA	SEQUOIADENDRON GIGANTEA
007	DAWN REDWOOD	METASEQUOIA
008		
009		
010-099	PINE SPP.	
010	PINE, UNIDENTIFIED	PINUS SPP.
011	PINE, PONDEROSA	P. PONDEROSA
012	PINE, JEFFREY	P. JEFFREYI
013	PINE, SUGAR	P. LAMBERTIANA
014	PINE, WESTERN WHITE	P. MONTICOLA
015	PINE, LODGEPOLE	P. CONTORTA
016	PINE, RED	P. RESINOSA
017		
018		
019		
020		
021	PINE, COULTER	P. COULTERI
022	PINE, MONTEREY	P. RADIATA
023	PINE, DIGGER	P. SABINIANA
024	PINE, KNOBCONE	P. ATTENUATA
025	PINE, BISHOP	P. MURICATA
025	PINE, TORREY	P. TORREYANA
025	PINE, WASHOE	P. WASHOENSIS
026	PINE, LIMBER, WHITEBARK	P. SPP.
027	PINE, PINYON, MEXICAN PINYON, PARRY	P. SPP.
027	PINE, PINYON, SINGLELEAF PINYON	P. SPP.
028	PINE, SHORTLEAF	P. ECHINATA
029	PINE, LONGLEAF	P. PALUSTRIS
030	PINE, LOBLOLLY	P. TAEDA
031	PINE, PITCH	P. RIGIDA
032	PINE, EASTERN WHITE	P. STROBUS
033	PINE, VIRGINIA	P. VIRGINIANA
034	PINE, ITALIAN STONE	P. PINEA
035	PINE, ALEPPO	P. HALEPENSIS
036	PINE, JACK	P. BANKSIANA
037	PINE, APACHE, CHIHUAHUA	P. SPP.
038	PINE, SLASH	P. ELLIOTTII
039	PINE, POND	P. SEROTINA
040	PINE, BRISTLECONE, FOXTAIL	P. SPP.
041		
042		
043		
044		
045		
046		
047		
048		

100-199	FIR SPP.	
100	FIR, UNIDENTIFIED	ABIES SPP.
101	FIR, WHITE	ABIES CONCOLOR
102	FIR, CALIFORNIA RED	ABIES MAGNIFICA
103	FIR, GRAND	ABIES GRANDIS
104	FIR, PACIFIC SILVER	ABIES AMABILIS
105	FIR, NOBLE	ABIES PROCERA
106	FIR, SUBALPINE, CORKBARK	ABIES LASIOCARPA
107	FIR, BRISTLECONE	ABIES BRACTEATA
108	FIR, BALSAM	ABIES BALSAMEA
109		
110		
111		
112		
113		
114		
115		
116		
200	UNIDENTIFIED GENERA IN CEDAR FAMILY	
201		
202	INCENSE-CEDAR	LIBOCEDRUS DECURRENS
203		
204		
205		
206		
207		
208		
209		
210		
211	ALASKA-CEDAR	CHAMAECYPARIS NOOTKATENSIS
212	PORT-ORFORD-CEDAR	CHAMAECYPARIS LAWSONIANA
213		
214		
215		
216		
217		
218		
219		
220	THUJA, UNIDENTIFIED	THUJA SPP.
221	REDCEDAR, WESTERN	THUJA PLICATA
222		
223		
224		
225		
226		
227		
228		
229		
230	JUNIPER, UNIDENTIFIED	JUNIPERUS SPP.
231	JUNIPER, ALLIGATOR, CALIFORNIA,	JUNIPERUS SPP.
231	JUNIPER, COMMON, ONE-SEED, PINCHOT,	JUNIPERUS SPP.
231	JUNIPER, ROCKY MTN, UTAH, WESTERN	JUNIPERUS SPP.
232	REDCEDAR, EASTERN	JUNIPERUS VIRGINIANA
233		
234		
235		
236		
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239		
240		

270	CYPRESS, UNIDENTIFIED	CUPRESSUS SPP.
271	CYPRESS, ARIZONA, GOWAN, MACNAB,	CUPRESSUS SPP,
271	CYPRESS, MODOC, MONTEREY, TECATE	CUPRESSUS SPP.
272		
273		
274		
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279		
300	SPRUCE, UNIDENTIFIED	PICEA SPP.
301	SPRUCE, ENGELMANN	PICEA ENGELMANNII
302	SPRUCE, SITKA	PICEA SITCHENSIS
303	SPRUCE, BLACK	PICEA MARIANA
304	SPRUCE, WHITE, PARSILD	PICEA GLAUCA
305	SPRUCE, BLUE	PICEA PUNGENS
306	SPRUCE, BREWER	PICEA BREWERIANA
307	SPRUCE, RED	PICEA RUBENS
308		
309		
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312		
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315		
350	HEMLOCK, UNIDENTIFIED	TSUGA SPP.
351	HEMLOCK, MOUNTAIN	TSUGA MERTENSIANA
352	HEMLOCK, WESTERN	TSUGA HETEROPHYLLA
353	HEMLOCK, EASTERN	TSUGA CANADENSIS
354	HEMLOCK, CAROLINA	TSUGA CAROLINIANA
355		
356		
357		
358		
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360		
361		
362		
400	LARCH, UNIDENTIFIED	LARIX SPP.
401	LARCH, WESTERN	LARIX OCCIDENTALIS
402	LARCH, SUBALPINE	LARIX LYALLI
403	TAMARACK	LARIX LARICINA
404		
405		
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411		

450 TAXUS, UNIDENTIFIED
 451 YEW, PACIFIC
 452 YEW, CANADIAN
 453 YEW, FLORIDA
 454 TORREYA, CALIFORNIA
 455 TORREYA, FLORIDA
 455 STINKING-CEDAR (RARE)
 456
 457
 458
 459
 460
 461
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 463

TAXUS SPP.
 TAXUS BREVIFOLIA
 TAXUS CANADENSIS
 TAXUS FLORIDANA
 TORREYA CALIFORNICA
 TORREYA TAXIFOLIA
 TORREYA TAXIFOLIA

500-799 HARDWOOD SPECIES EXCLUSIVE OF OAKS
 500 UNIDENTIFIED HARDWOOD SPECIES

(AVOID USE OF 500)

501 ALDER, UNIDENTIFIED
 502 ASH, UNIDENTIFIED
 503 ASPEN, QUAKING
 504 BIRCH, UNIDENTIFIED
 505 COTTONWOOD, UNIDENTIFIED
 505 ASPEN, UNIDENTIFIED
 505 POPLAR, UNIDENTIFIED
 506 MAPLE, UNIDENTIFIED
 507 WILLOW, UNIDENTIFIED
 508 BUCKEYE, CALIFORNIA
 509 EUCALYPTUS, UNIDENTIFIED
 510 TANOAK
 511 ELM, UNIDENTIFIED
 512 CALIFORNIA-BAY (BELOW 5000 FT)
 512 CALIFORNIA-LAUREL (BELOW 5000 FT)
 512 OREGON-MYRTLE (BELOW 5000 FT)
 512 PEPPERWOOD (BELOW 5000 FT)
 513 BUCKTHORN, CALIFORNIA
 514 CHINKAPIN, GOLDEN
 515 MADRONE, UNIDENTIFIED
 516 DOGWOOD, UNIDENTIFIED
 517 SYCAMORE, UNIDENTIFIED
 518 LOCUST, UNIDENTIFIED
 519 WALNUT, BLACK
 520 ACACIA, BROADLEAF
 521 ACACIA, UNIDENTIFIED
 522 BEECH, UNIDENTIFIED
 523 TAMARISK, UNIDENTIFIED
 524 HACKBERRY, UNIDENTIFIED
 525 HICKORY, UNIDENTIFIED
 526 ELDER, UNIDENTIFIED (NOT BOXELDER)
 526 ELDERBERRY, UNIDENTIFIED
 527 MYRICA SPP., UNIDENTIFIED
 527 WAXMYRTLE, PACIFIC
 527 SWEETBAY, SIERRA
 527 BAYBERRY, PACIFIC
 528 LAUREL, AMERICAN (7000-12000 FT)
 528 MOUNTAIN-LAUREL (7000-12000 FT)
 529 PEPPERTREE, CALIFORNIA
 530 TREE OF HEAVEN
 530 AILANTHUS
 531 FIG, UNIDENTIFIED
 532 PISTACHE, TEXAS
 533 GOLOENCHAIN TREE

ALNUS SPP.
 FRAXINUS SPP,
 POPULUS TREMULOIDES
 BETULA SPP.
 POPULUS SPP,
 POPULUS SPP,
 POPULUS SPP.
 ACER SPP.
 SALIX SPP.
 AESCULUS CALIFORNICA
 EUCALYPTUS SPP.
 LITHOCARPUS DENSIFLORA
 ULMUS SPP.
 UMBELLULARIA CALIFORNICA
 UMBELLULARIA CALIFORNICA
 UMBELLULARIA CALIFORNICA
 UMBELLULARIA CALIFORNICA
 RHAMNUS CALIFORNICA
 CASTANOPSIS CHRYSOPHYLLA
 ARBUTUS SPP.
 CORNUS SPP.
 PLATANUS SPP.
 ROBINIA SPP.
 JUGLANS NIGRA
 ACACIA LATIFOLIA
 ACACIA SPP.
 FAGUS SPP.
 TAMARIX SPP.
 CELTIS SPP.
 CARYA SPP.
 SAMBUCUS SPP.
 SAMBUCUS SPP,
 MYRICA SPP.
 MYRICA SPP.
 MYRICA SPP.
 MYRICA SPP.
 KALMIA LATIFOLIA
 KALMIA LATIFOLIA
 SCHINUS MOLLE
 AILANTHUS ALTISSIMA
 AILANTHUS ALTISSIMA
 FICUS SPP.
 PISTACIA TEXANA
 LABURNUM WATERERI

534	TUPELO, UNIDENTIFIED	NYSSA SPP.
535	IRON TREE	METROSIDEROS TOMENTOSA
535	NEW ZEALAND CHRISTMAS TREE	METROSIDEROS TOMENTOSA
536	MESQUITE, UNIDENTIFIED	PROSOPIS SPP.
537	SUMAC, UNIDENTIFIED	RHUS SPP.
538	MULBERRY, UNIDENTIFIED	MORUS SPP.
539	REDGUM	LIQUIDAMBAR STYRACIFLUA
539	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
540	HOLLY, UNIDENTIFIED	ILEX SPP.
541	BASSWOOD, UNIDENTIFIED	TILIA SPP.
541	LINDEN, UNIDENTIFIED	TILIA SPP.
542	CATALPA, UNIDENTIFIED	CATALPA SPP.
543	PERSIMMON, COMMON	DIOSPYROS VIRGINIANA
544	CASCARA	RHAMNUS PURSHIANA
544	BUCKTHORN, CASCARA	RHAMNUS PURSHIANA
545	COFFEETREE, KENTUCKY	GYMNOCLADUS DIOICUS
546	REDBUD, UNIDENTIFIED	CERCIS SPP.
547	APPLE, UNIDENTIFIED	MALUS SPP.
548	CHERRY, UNIDENTIFIED	PRUNUS SPP.
549	CAROB	CERATONIA SILIQUA
550	PECAN	CARYA ILLINOENSIS
551	HAWTHORN, UNIDENTIFIED	CRATAEGUS SPP.
552	CHINABERRY	MELIA AZEDARACH
552	UMBRELLA-TREE	MELIA AZEDARACH
553	OSAGE-ORANGE	MACLURA POMIFERA
554	YELLOW-POPLAR	LIRIODENDRON TULIPIFERA
554	TULIPTREE	LIRIODENDRON TULIPIFERA
555	HERCULES-CLUB TREE	ZANTHOXYLUM CLAVA-HERCULIS
556	COTTONWOOD, FREMONT	POPULUS FREMONTII
557	RUSSIAN-OLIVE	ELAEAGNUS ANGUSTIFOLIA
558	PEACH	PRUNUS PERSICA
559	SANDALWOOD, BASTARD	MYOPORUM SANDWICENSE
560	CALIFORNIA-LILAC	CEANOTHUS THYRSIFLORUS
560	BLUEBLOSSOM	CEANOTHUS THYRSIFLORUS
561	TOYON	PHOTINIA ARBUTIFOLIA
561	HOLLYBERRY	PHOTINIA ARBUTIFOLIA
561	CHRISTMASBERRY	PHOTINIA ARBUTIFOLIA
562	OLEANDER, COMMON	NERIUM OLEANDER
563	SOURWOOD	OXYDENORUM ARBOREUM
564	WALNUT, ARIZONA	JUGLANS MAJOR
565	MAGNOLIA, UNIDENTIFIED	MAGNOLIA SPP.
566	LAURELCHERRY, MYRTLE	PRUNUS MYRTIFOLIA
567	LAUREL, GRECIAN	LAURUS NOBILIS
567	BAY, SWEET (NOT SWEETBAY)	LAURUS NOBILIS
568	CHESTNUT, UNIDENTIFIED	CASTANEA SPP.
569	LOCUST, BLACK	ROBINIA PSEUDOACACIA
570	SILK-OAK	GREVILLEA ROBUSTA
571	ALDER, WHITE	ALNUS RHOMBIFOLIA
572	ALDER, RED	ALNUS RUBRA
573	HORNBEAM, AMERICAN (BLUE BEECH)	CARPINUS CAROLINIANA
574	MESQUITE, COMMON	PROSOPIS JULIFLORA
575	WILLOW, BLACK	SALIX NIGRA
576		
577		
578		
579		
580	ASPEN, BIGTOOTH	POPULUS GRANDIDENTATA
581	COTTONWOOD, BLACK	POPULUS TRICHOCARPA
582	COTTONWOOD, EASTERN	POPULUS DELTOIDES
583	COTTONWOOD, SWAMP	POPULUS HETEROPHYLLA
584	POPLAR, BALSAM	POPULUS BALSAMIFERA
585		
586		
587		
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589		

590	WALNUT, UNIDENTIFIED	JUGLANS SPP.
591	BUTTERNUT	JUGLANS CINEREA
592	WALNUT, CALIFORNIA	JUGLANS CALIFORNICA
593	WALNUT, HINDS	JUGLANS HINDSII
594		
595		
596	HICKORY, BITTERNUT	CARYA CORDIFORMIS
597	HICKORY, BLACK	CARYA TEXANA
598	HICKORY, MOCKERNUT	CARYA TOMENTOSA
599	HICKORY, PIGNUT	CARYA GLABRA
600	HICKORY, SHAGBARK	CARYA OVATA
601	HICKORY, SHELLBARK	CARYA LACINIOSA
602		
603		
604		
605		
606	BIRCH, GRAY	BETULA POPULIFOLIA
607	BIRCH, PAPER	BETULA PAPYRIFERA
608	BIRCH, RIVER	BETULA NIGRA
609	BIRCH, SWEET	BETULA LENTA
610	BIRCH, WATER	BETULA OCCIDENTALIS
611	BIRCH, YELLOW	BETULA ALLEGHANIENSIS
612		
613		
614		
615	ATHEL	TAMARIX ARTICULATA
616	ALDER, EUROPEAN	ALNUS GLUTINOSA
617	ALDER, THINLEAF	ALNUS TENNIFOLIA
618		
619		
620		
621		
622		
623		
624		
625	HOPHORNBEAM, UNIDENTIFIED	OSTRYA SPP.
626	HOPHORNBEAM, EASTERN	OSTRYA VIRGINIANA
627	HOPHORNBEAM, KNOWLTON (WESTERN)	OSTRYA KNOWLTONII
628		
629		
630	HAZEL, UNIDENTIFIED	CORYLUS SPP.
631	HAZEL, AMERICAN	CORYLUS AMERICANA
632	HAZEL, BEAKED	CORYLUS ROSTRATA
633	HAZEL, CALIFORNIA	CORYLUS CORNUTA
634	HAZEL, GIANT	CORYLUS MAXIMA
635		
636	BEECH, AMERICAN	FAGUS GRANDIFOLIA
637	BEECH, EUROPEAN	FAGUS SYLVATICA
638		
639		
640	CHESTNUT, AMERICAN	CASTANEA DENTATA
641	CHESTNUT, CHINESE	CASTANEA MOLLISIMA
642	CHESTNUT, JAPANESE	CASTANEA CRENATA
643	CHESTNUT, SPANISH	CASTANEA SATIVA
644		
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649		
650	CHINKAPIN, UNIDENTIFIED	CASTANOPSIS SPP.
651	CHINKAPIN, ALLEGHENY	CASTANOPSIS PUMILA
652		
653		
654		

655	ELM, AMERICAN	ULMUS AMERICANA
656	ELM, CEDAR	ULMUS CRASSIFOLIA
657	ELM, RED	ULMUS SEROTINA
658	ELM, ROCK	ULMUS THOMASII
659	ELM, SLIPPERY	ULMUS RUBRA
660	ELM, WINGED	ULMUS ALATA
661	ELM, CHINESE	ULMUS PARVIFOLIA
662		
663		
664		
665	HACKBERRY	CELTIS OCCIDENTALIS
666	SUGARBERRY (HACKBERRY)	CELTIS LAEVIGATA
667		
668		
669		
670		
671	MULBERRY, BLACK	MORUS NIGRA
672	MULBERRY, RED	MORUS RUBRA
673	MULBERRY, TEXAS	MORUS MICROPHYLLA
674	MULBERRY, WHITE	MORUS ALBA
675		
676	FIG, COMMON	FICUS CARICA
677	FIG, FLORIDA STRANGLER	FICUS AUREA
678	FIG, SHORTLEAF	FICUS LAEVIGATE
679		
680	CUCUMBERTREE	MAGNOLIA ACUMINATA
681	MAGNOLIA, BIGLEAF	MAGNOLIA MACROPHYLLA
682	MAGNOLIA, FRASER	MAGNOLIA FRASERI
683	MAGNOLIA, SOUTHERN	MAGNOLIA GRANOIFLORA
684	MAGNOLIA, UMBRELLA	MAGNOLIA TRIPETALA
685	MAGNOLIA, SWEETBAY	MAGNOLIA VIRGINIANA
686		
687		
688		
689		
690	SASSAFRASS	SASSAFRASS ALBIDUM
691		
692	REDBAY	PERSEA BORBONIA
693		
694	WITCH-HAZEL	HAMAMELIS VIRGINIANA
695	SYCAMORE, ARIZONA	PLATANUS WRIGHTII
696	SYCAMORE, AMERICAN	PLATANUS OCCIDENTALIS
697	SYCAMORE, CALIFORNIA	PLATANUS RACEMOSA
698		
699		
700	APPLE, COMMON	MALUS PUMILA
701	APPLE, SOUTHERN CRAB	MALUS ANGUSTIFOLIA
702	APPLE, SWEET CRAB	MALUS CORONARIA
703		
704		
705	CHERRY, BLACK	PRUNUS SEROTINA
706	CHERRY, HOLLYLEAF	PRUNUS ILICIFOLIA
707		
708	CHERRY, PIN	PRUNUS PENSYLVANICA
709	CHOKECHERRY, COMMON	PRUNUS VIRGINIANA
710		
711		
712		
713		
714		
715		
716		
717	PEAR, COMMON	PYRUS COMMUNIS
718		
719		
720	HAWTHORN, BLACK	CRATAEGUS DOUGLASII

721	HAWTHORN, COCKSPUR	CRATAEGUS CRUS-GALLI
722		
723		
724		
725		
726		
727		
728		
729		
730	ACACIA, CATCLAW	ACACIA GREGGII
731	ACACIA, SWEET	ACACIA FARNESIANA
732		
733		
734		
735		
736	REDBUD, CALIFORNIA	CERCIS OCCIDENTALIS
737	REDBUD, EASTERN	CERCIS CANADENSIS
737	JUDAS-TREE	CERCIS CANADENSIS
738	HONEYLOCUST, UNIDENTIFIED	GLEDITSIA SPP.
739	HONEYLOCUST	GLEDITSIA TRIACANTHOS
740	HONEYLOCUST, TEXAS	GLEDITSIA TEXANA
741	WATERLOCUST	GLEDITSIA AQUATICA
742		
743	SUMAC, STAGHORN	RHUS TYPHINA
744	POISON-SUMAC	TOXICODENDRON VERNIX
745	HOLLY, AMERICAN	ILEX OPACA
746	HOLLY, CAROLINA	ILEX AMBIGUA
747	HOLLY, GEORGIA	ILEX LONGIPES
748	WINTERBERRY, MOUNTAIN	ILEX MONTANA
749		
750	BOXELDER	ACER NEGUNDO
751	MAPLE, BIGLEAF	ACER MACROPHYLLUM
752	MAPLE, BLACK	ACER NIGRUM
753	MAPLE, RED	ACER RUBRUM
754	MAPLE, ROCKY MOUNTAIN	ACER GLABRUM
755	MAPLE, SILVER	ACER SACCHARINUM
756	MAPLE, STRIPED	ACER PENNSYLVANICUM
757	MAPLE, SUGAR	ACER SACCHARUM
758		
759		
760	BUCKEYE, OHIO	AESCULUS GLABRA
761	BUCKEYE, YELLOW	AESCULUS OCTANORA
762	HORSECHESTNUT	AESCULUS HIPPOCASTANUM
763		
764	CEANOTHUS, SPINY	CEANOTHUS SPINOSUS
765	BASSWOOD, AMERICAN	TILIA AMERICANA
766	BASSWOOD, WHITE	TILIA HETEROPHYLLA
767	DOGWOOD, REO-OSIER	CORNUS STOLONIFERA
768	DOGWOOD, FLOWERING	CORNUS FLORIDA
769	DOGWOOD, PACIFIC	CORNUS NUTTALLII
770	TUPELO, BLACK	NYSSA SYLVATICA
771	TUPELO, WATER	NYSSA AQUATICA
772	MADRONE, PACIFIC	ARBUTUS MENZIESII
773	ASH, BLACK	FRAXINUS NIGRA
774	ASH, BLUE	FRAXINUS QUADRANGULATA
775	ASH, CAROLINA	FRAXINUS CAROLINIANA
776	ASH, GREEN	FRAXINUS PENNSYLVANICA
777	ASH, OREGON	FRAXINUS LATIFOLIA
778	ASH, WHITE	FRAXINUS AMERICANA
779		
780	CATALPA, NORTHERN	CATALPA SPECIOSA
781	CATALPA, SOUTHERN	CATALPA BIGNONIODES
782		
783	TAMARISK, FIVE-STAMEN	TAMARIX PENTANDRA
784	TAMARISK, SMALLFLOWER	TAMARIX PARVIFLORA
785		

786	ELDER, AMERICAN	SAMBUCUS CANADENSIS
787	ELDER, MEXICAN	SAMBUCUS MEXICANA
787	ELDERBERRY, DESERT	SAMBUCUS MEXICANA
788	ELDER, PACIFIC RED	SAMBUCUS CALLICARPA
789	ELDERBERRY, BLUE	SAMBUCUS GLAUCA
790	SOAPBERRY, UNIDENTIFIED	SAPINDUS SPP.
791		
792	MANZANITA, EASTWOOD	ARCTOSTAPHYLOS GLANDULOSA
793		
794	LAUREL, UNIDENTIFIED (PUERTO RICO)	LAURACEAE
795		
796	PALO COLORADO	CYRILLA RACEMIFLORA
797		
798		
799		

NOTE L = LIVE, W = WHITE, R-8 = RED OR BLACK

800-899	OAKS		QUERCUS SPP.	
800	OAK, UNIDENTIFIED			
801	CALIF. BLACK	Q. KELLOGGII	ORE., CALIF.	(R-B)
802	LIVE, CALIF.	Q. AGRIFOLIA	CALIF.	(R-B:L)
802	LIVE, COAST	Q. AGRIFOLIA	CALIF.	(R-B:L)
803	CALIF. WHITE	Q. LOBATA	CALIF.	(W)
803	VALLEY	Q. LOBATA	CALIF.	(W)
804	LIVE, CANYON	Q. CHRYSOLEPIS	CALIF., ORE., NEV.	(W:L)
804	LIVE, WHITE	Q. CHRYSOLEPIS	CALIF., ORE., NEV.	(W:L)
804	MAUL	Q. CHRYSOLEPIS	TEX, OKLA.	(W:L)
805	LIVE, HIGHLAND	Q. WISLIZENII	CALIF.	(R-B:L)
805	LIVE, INTERIOR	Q. WISLIZENII	CALIF.	(R-B:L)
805	LIVE, SIERRA	Q. WISLIZENII	CALIF.	(R-B:L)
806	GARRY	Q. GARRYANA	WASH., ORE., CALIF.	(W)
806	OREGON WHITE	Q. GARRYANA	WASH., ORE., CALIF.	(W)
807	GAMBEL	Q. GAMBELII	NW, SW	(W)
807	WHITE, ROCKY MTN	Q. GAMBELII	NW, SW	(W)
808	SOUTHERN RED	Q. FALCATA V FALCATA	NE, SE	(R-B)
809	POST	Q. STELLATA	NE, SE	(W)
810	BLACK	Q. MARILANDICA	NE, SE	(R-B)
810	BLACKJACK	Q. MARILANDICA	NE, SE	(R-B)
811	RED	Q. NIGRA	NE, SE	(R-8)
811	WATER	Q. NIGRA	NE, SE	(R-B)
812	CHERRYBARK	Q. FALCATA V PAGODAEFOLIA	NE, SE	(R-B)
812	RED	Q. FALCATA V PAGODAEFOLIA	NE, SE	(R-B)
813	MOHRS	Q. MOHRIANA	TEX., OKLA.	(W)
813	SCRUB	Q. MOHRIANA	TEX., OKLA.	(W)
813	SHIN OAK	Q. MOHRIANA	TEX., OKLA.	(W)
814	LIVE (SE)	Q. VIRGINIANA	SE	(W:L)
814	LIVE, SCRUB	Q. VIRGINIANA	SE	(W:L)
815	BLUE	Q. DOUGLASII	CALIF.	(W)
815	MOUNTAIN WHITE	Q. DOUGLASII	CALIF.	(W)
816	RED	Q. PHELLOS	NE, SE	(R-B)
816	WILLOW	Q. PHELLOS	NE, SE	(R-B)
817	CALIF. SCRUB	Q. DUMOSA	CALIF.	(W:L)
817	LIVE, CAL. SCRUB	Q. DUMOSA	CALIF.	(W:L)
818	BUR	Q. MACROCARPA	NE, SE	(W)
819	DURAND	Q. DURANDII	SE	(W)
820	LIVE, UNIDENTIFIED - FROM CALIFORNIA OR FAR WEST			

821	BLACK	Q. COCCINEA	NE, SE	(R-B)
821	RED	Q. COCCINEA	NE, SE	(R-B)
821	SCARLET	Q. COCCINEA	NE, SE	(R-B)
822	WHITE	Q. ALBA	NE, SE	(W)
823	NORTHERN RED	Q. RUBRA	NE, SE	(R-B)
824	BLACK, UNIDENT.	Q. SPP.		(R-B)
824	RED, UNIDENT.	Q. SPP.		(R-B)
825	BLACK	Q. VELUTINA	NE, SE	(R-B)
826	WHITE, UNIDENT.	Q. SPP.	SE	(W)
827	BLUEJACK	Q. INCANA	SE	
827	SANDJACK	Q. INCANA	SE	
828	CHESTNUT	Q. MICHAUXII	SE, TEXAS	
829	EMORY	Q. EMORYI	SW	(R-B)
830				
831				
832				
833				
834				
835				
836				
837				

900-948 CODE NUMBERS FOR ADDITIONAL SPECIES.

949 SAHUARO CEREUS GIGANTEUS

950 PALM, UNIDENTIFIED PALMAE

951-998 CODE NUMBERS FOR ADDITIONAL SPECIES.

999 GENUS UNKNOWN (AVOID USE OF 999)

MASTER FORM

Number:

REPORT OF TREE FAILURE ⁽¹⁾

Card: 1
2

(Mechanical break, collapse, or uprooting)

REPORTING AGENCY _____

DATE: _____

(A) Tree and stand

Species: _____
Approximate dbh of tree _____ inches
Approximate age of tree _____ years
Forest type _____
Stand age class: Overmature _____
Mature _____
Young growth _____
All-age _____
Elevation of site: _____

(B) Class of mechanical failure

Upper bole (top half) _____
Lower bole _____
Bolt (lower 6 feet) _____
Limb _____
Root, including uprooting _____

(C) Tree defect or fault leading to failure ⁽²⁾

Rot (trunk, limb, or root) _____
Sweep _____
Tree dead - snag _____
Fire wound _____
Leaning _____
Lightning wound _____
Mechanical wound _____
Cracks or splits _____
Fork or multiple top _____
Twin bole or basal fork _____
Dead top or branch _____
Widow-maker or hang-up _____
Canker, rust _____
Cankers, mistletoe _____
Other _____
Unknown or none _____

(D) Contributing factors

Wind _____ Stream bank erosion _____
Snow _____ Shallow rooting _____
Erosion _____ Tree striking tree _____
Soil saturation _____ Other _____
Unknown or none _____

(E) Time and location of incident

Approximate hour: _____
Month, year: _____
County: _____
State: _____
Site open for public use: Yes _____ No _____

(F) Land ownership

_____ Federal
_____ State
_____ Other public _____
_____ Private
_____ Public utility

(G) Site category

_____ Established camp or picnic ground
_____ Other established public use site ⁽³⁾
_____ Volunteer site ⁽⁴⁾
_____ Marked trail
_____ Special use site ⁽⁵⁾
_____ Roadside
_____ Residence site ⁽⁶⁾
_____ Other: ⁽⁷⁾ _____
_____ Urban

(H) Property or person directly affected

_____ Agency
_____ Recreationist
_____ Forest industry
_____ Permittee/Concessionaire
_____ Other: _____
_____ Contractor
_____ Public utility

(I) Consequences

_____ Clean-up work required _____
_____ Property damaged: _____
_____ Property loss estimate \$ _____
_____ Injuries (Do not give net values) _____
_____ Medical attention required _____
_____ Fatalities _____

(J) Name of site ⁽⁸⁾

Comments: _____

Only failures of a size capable of inflicting some damage or injury should be reported. Minor limb failures should not be reported unless they were potentially dangerous. Do not report simple cleaving of a tree or partial girdling (tree or limb) resulted in mechanical failure. Trees remaining near to failure should not be reported.

- ② A report should be made for:
 - (1) each tree failure involving property damage or bodily injury;
 - (2) each failure adjacent to permanent recreation facilities, home sites, or other locations where failures are a threat to property and;
 - (3) each failure on recreation sites and other high use locations during the season of public use, whether or not the failure causes damage or injury.
- ③ Check only those defects and contributing factors which lead to the actual failure.
- ④ Other established public use site: Winter sports, beaches, viewpoints, visitor centers, historical buildings, etc.
- ⑤ Volunteer site: Undeveloped site with concentrated public use.
- ⑥ Special use site: Resorts, service facilities, etc.
- ⑦ Residence site: Agency, private, or permittee-leased.
- ⑧ Other: Wilderness area sites, open forest, etc.
- ⑨ Published analyses will not indicate the source or specific incidents.

If many failures occur in your area, reports may be limited to managed sites normally subject to inspection and hazard control. Where information is available, however, reports from volunteer and other noninspected sites will be of value.

NOTE: A SEPARATE FORM SHOULD BE COMPLETED FOR EACH INDIVIDUAL FAILURE. Inclusion of more than one failure on a report prevents conclusions of data unless all details are identical.

Additional forms may be obtained from your headquarters or by writing to the following address:

Return to: Lee A. Paine
 U.S.D.A., Forest Service
 P.O. Box 245
 Berkeley, California 94701

Commercial Phone: (415) 336-1158
 FTS Phone: 449-3159

MASTER FORM

200 Number _____

REPORT OF TREE FAILURE (3)

(Mechanical break, collapse, or uprooting)

200 Card: 1
200 2

REPORTING AGENCY: _____

UNIT: _____

(A) Tree and stand

200 Species _____
200 Approximate dbh of tree: _____ inches
200 Approximate age of tree _____ years
200 Forest type: _____
200 Stand age class: ☐ Overmature
☐ Mature
☐ Young-growth
☐ All-age

200 Elevation of site _____

(B) Class of mechanical failure

200 ☐ Upper bole (top half)
200 ☐ Lower bole
200 ☐ Butt (lower 4 feet)
200 ☐ Limb
200 ☐ Base, including uprooting

(C) Tree defect or fault leading to failure (3)

200 ☐ Rot (trunk, limb, or root)
200 ☐ Sweep
200 ☐ Tree dead snag
200 ☐ Fire wound
200 ☐ Leaning
200 ☐ Lightning wound
200 ☐ Mechanical wound
200 ☐ Cracks or splits
200 ☐ Fork or multiple top
200 ☐ Twin bole or basal fork
200 ☐ Dead top or branch
200 ☐ Widow-top or hang-up
200 ☐ Canker, rust
200 ☐ Canker mistletoe
200 ☐ Other _____
200 ☐ Unknown or none

(D) Contributing factors

200 ☐ Wind ☐ Stream bank erosion
200 ☐ Snow ☐ Shallow rooting
200 ☐ Erosion ☐ Tree striking tree
200 ☐ Soil saturation ☐ Other _____
☐ Unknown or none

(E) Name of site: (3)

200 Comments _____

(F) Time and location of incident

200 Approximate hour: _____
200 Month, year: _____
200 County: _____
200 State: _____
200 Site open for public use: Yes ☐ No ☐

(G) Land ownership

☐ Federal
☐ State
☐ Other public: _____
☐ Private
☐ Public utility

(H) Site category

☐ Established camp or picnic ground
☐ Other established public use site (3)
☐ Volunteer site (3)
☐ Marked trail
☐ Special use site (3)
☐ Roadside
☐ Residence site (3)
☐ Other: (3) _____
☐ Urban

(I) Property or person directly affected

☐ Agency
☐ Recreationist
☐ Forest industry
☐ Forester/Concessionaire
☐ Other: _____
☐ Contractor
☐ Public utility

(J) Consequences

☐ Clean-up work required
☐ Property damaged: _____
☐ Property loss estimate: \$ _____
☐ Injuries (if not give tree values)
☐ Medical attention required
☐ Fatalities

Only failures of a size capable of inflicting some damage or injury should be reported. Minor limb failures should not be reported unless they were potentially dangerous. Do not report simple death of a tree or part of a tree unless it resulted in unusual loss of foliage. Tree removal prior to failure should not be reported.

- ② A report should be made for
- ①1 each tree failure involving property damage or bodily injury.
 - ①2 each failure adjacent to permanent recreation facilities, home sites, or other locations where failures are a threat to property, and,
 - ①3 each failure on recreation sites and other high use locations during the season of public use, whether or not the failure causes damage or injury.
- ③ Check only those defects and contributing factors which lead to the actual failure
- ③ Other established public use site: Winter sports, beaches, viewpoints, visitor centers, historical buildings, etc
- ③ Volunteer site: Undeveloped site with concentrated public use
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- ③ Roadside site: Agency, private, or permittee-lessee.
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U.S.D.A. Forest Service
P.O. Box 245
Berkeley, California 94701

Commercial Phone: 415/486-3156
FTS Phone: 449-3156



The Forest Service of the U.S. Department of Agriculture

- ... Conducts forest and range research at more than 75 locations from Puerto Rico to Alaska and Hawaii.
- ... Participates with all State forestry agencies in cooperative programs to protect and improve the Nation's 395 million acres of State, local, and private forest lands.
- ... Manages and protects the 187-million-acre National Forest System for sustained yield of its many products and services.

The Pacific Southwest Forest and Range Experiment Station

represents the research branch of the Forest Service in California and Hawaii.

MARGIN INDEX

To use the margin index, bend the book in half and follow the index to the page with the edge marker.

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Codes for Failure Report—Outline
Target Value Guide
Tree Species Codes—Alphabetic
Forest Type Codes and Descriptions
Agency Codes—Outline
Agency Codes—Detail
Forest Service State
Agencies
State and County Codes
Tree Species Codes—Numeric