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Glossary

altern: an abrupt boundary between plant communities or associations

aplite: a granitic rock without biotite and related to pegmatites, with which it is often found

association table: a method of describing plant communities by summarizing results from a releve sample in matrix form, grouping species which tend to occur together into associations

bajada: a type of plain in arid regions formed by deposition of debris in fan-shaped spreads at the base of mountains

Botanical Areas: USDA Forest Service areas managed for their unique botanical values, a type of Special Interest Area

calcareous: rocks containing much calcium such as limestone, marble, and dolomite

charnockitic: containing charnockite, a coarse granular rock similar to granite which resulted from crystallization of magma at great depths or by ultra-metamorphism of basic igneous rock

climax: the end-product of a successional sequence, characterized by the lack of significant (directional) changes in species composition

colluvium: weathered rocky material brought down by gravity from mountain slopes (including scree and talus)

congeliturbation: freeze-thaw sorting of soil into rings with coarser rocks and boulders surrounding sand and gravel

depauperate: poorly developed

dis-climax: an arrested climax, the result of some periodic environmental disturbance, such as fire, that prevents further succession

ecotone: a gradual boundary between plant communities or associations

edaphic: relating to soil

edaphic climax: an association of plants which has attained its highest possible successional state given its present soil conditions; e.g., mountain chaparral may be successional to mixed conifer forest on deep soils, but on dry rocky soils it may be an edaphic climax

endemic: a taxon restricted to a certain area or habitat, may be divided into neo-endemics (evolutionarily recent) or paleoendemics (relicts which may have once been more widespread)

ericaceous: referring to members of the heath family (Ericaceae)

establishment site-limited: limited to small favorable sites for germination within a community

even-aged stand: a forest stand composed of trees of all essentially the same age

gap regeneration species: tree species which tend to regenerate in openings in the forest are said to have this type of regeneration; also called gap-phase regeneration

graywacke: a type of sandstone characterized by rather angular and poorly sorted grains, thought to have originated from off-shore turbidity flows. It is widespread in the Franciscan assemblage of the Coast Ranges.

hydrophilic: water-loving

hydrophyte: a plant that grows in wet conditions

importance value: a synthesized measurement for rating the representation of a plant species in a stand of vegetation. It is based on a sum of sampling values (e.g., relative density + relative frequency + relative cover). This value is given as a multiple of 100. Thus if three values are synthesized, the highest possible value is 300. If two values are added, the maximum would be 200.

line intercept method: a plotless vegetation sampling method counting all species touched by a line of predetermined length and determining their dominance by measuring the portion of the line that they cover

- liana:** a woody vine such as California wild grape (*Vitis californica*)
- lithosol:** well-drained, shallow, stony soils over bedrock
- management indicator species:** a type of plant or animal whose presence in a habitat or area is a fairly certain sign or symptom that particular environmental conditions are also present
- mass wasting:** a type of gravity transport of rock and soil with sliding taking place either on a definite plane which may be related to the structure of the rock, or on a curved shear surface as in clay-rich soils
- mesic:** moist, midway between xeric and hydric in moisture conditions
- mesophyte:** a plant growing in moderate (moist) moisture conditions
- mesophilic:** referring to species preferring moderate moisture conditions, typical of sheltered mid-slope to lower-slope locations in California
- oolitic limestones:** limestones having numerous spherical rock particles that have grown by accretion around a nucleus
- paternoster lakes:** glacially formed lakes arranged in a stepping-stone manner down a glacially carved valley
- point-center(ed) quarter method:** a plotless vegetation sampling technique in which points are chosen in a plant community. Each point represents the center of a four-cornered area. From each quadrant the nearest tree is sampled and calculations on density, frequency and cover can be made.
- regosolic:** having characteristics of regosols, typically poorly developed well-drained soils derived from recent deposits of deep volcanic ash
- releve:** a sample quadrat (plot) used for vegetation analysis, the size of which is based on a minimal area in which the species of a community are adequately represented. On relevés each species is recorded and several parameters are estimated (in size classes, not by absolute measurements), most typically including cover of each species, slope exposure, slope angle, and other environmental characteristics.
- rupicolous:** rock-inhabiting, rock-loving
- sclerophyll:** a plant characteristic of Mediterranean climates with a thickened cuticle on the leaves
- seral:** referring to vegetation that is changing, a transitory stage in an ecological succession
- serpentine:** the California state rock. More properly referred to as serpentinite, peridotite, dunite, etc. Serpentine is the lay person's generic term for these ultramafic rocks poor in calcium and high in magnesium, which create a harsh environment for vegetation. Most serpentine areas have unique floras with a high percentage of specially adapted, endemic taxa.
- serotinous:** late in opening, as in serotinous cones of closed-cone cypresses and pines
- site class:** a measure of productivity for forests, usually measured in cubic feet/acre/year. There are seven site classes with 1 the highest (225+ ft³/acre/yr) and 7 the lowest (<20 ft³/acre/yr).
- site index:** a measurement of tree growth potential for a given area based on the rate of growth of certain dominant tree species. Generally based on the length of time the dominant timber species takes to reach 100 ft (31 m) in height.
- size classes:** recognizable cohorts of trees in a forest representing different ages, e.g., saplings and seedlings, pole size, and mature trees
- solifluction lobes:** saturated soil slumping in alpine zone
- special interest area:** areas established and managed by the USDA Forest Service for their unique special features. These include geological, historical, archeological, botanical, and other noteworthy features.
- vertisol:** a clay-rich soil which usually has alternating wet and dry periods and tends to form large cracks in the dry season.
- xeric:** dry
- xerophyte:** a plant growing in dry conditions
- xerophilic:** dry-adapted (dry loving)

Symbols and Abbreviations

cm	centimeter
CNPS	California Native Plant Society
cRNA	candidate research natural area, formally nominated and approved for establishment but not incorporated in land management plans
dbh	diameter(s) at breast height (4.5 ft, 1.4 m)
ft	feet
E.	east or easterly
ESE.	east-southeast
ha	hectare
HBM	Humboldt Baseline and Meridian
IV	importance value
km	kilometer(s)
m	meter(s)
m²/ha	square meter(s) per hectare (the standard measurement for basal area cover of trees in this report)
MDBM	Mount Diablo Baseline and Meridian
mm	millimeter(s)
N.	north or northerly
n	sample size
NE.	northeast
NNW.	north-northwest
NW.	northwest
pRNA	proposed research natural area, recognized but not yet fully reviewed or approved
R	Range, as in Township and Range land divisions
rRNA	recommended research natural area, recognized in current National Forest land management plans
RNA	Research Natural Area
S.	south or southerly
SAF	Society of American Foresters; used herein to designate a forest cover type classified in the SAF system (Eyre 1980)
SBBM	San Bernardino Baseline and Meridian
SD	standard deviation
SE.	southeast
sect.(p.s.).	section(s) within Township and Range land divisions
sp.	an unidentified species (following a genus name)
spp.	several species of a genus
ssp.	subspecies
ssp. nov.	undescribed subspecies
SSE.	south-southeast
SSW.	south-southwest
SW.	southwest
T	Township
var.	variety of a species

Symbols and Abbreviations

- W.** west or westerly
- WSW.** west-southwest
- x** indicates a taxon of hybrid origin as in *Quercus x morehus*
- >** greater than
- <** less than
- '** minutes as in degrees and minutes of latitude or longitude
- ±** plus or minus, or in conjunction with a number indicating confidence limits