

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
**THESAURUS**

**A**

[Aboriginal man]	Instead, use:	<b>Aborigines</b>
<b>Aborigines</b>	Related terms:	<b>Native Americans/ Prehistoric fires/Anthropology</b>
[Absence of fire]	Instead, use:	<b>Fire exclusion</b>
[Abundance]	Instead, use:	<b>Population density</b>
[Acidity]	Instead, use:	<b>pH</b>
[Acorns]	Instead, use:	<b>Mast</b>
[Activity]	Instead, use:	<b>Habits and behavior</b>
<b>*Adaptation</b>	<b>Scope note:</b>	Physiological or behavioral change in response to the environment
	Narrower terms:	<b>Fire adaptations/ Fire adaptations (animals)/ Fire adaptations (plants)/ Fire dependent species</b>
<b>Aerial ignition</b>	Use instead of:	[Helitorch]
	Broader terms:	<b>Firing techniques/ Ignition</b>
<b>Aerosols</b>	Related terms:	<b>Air quality/ Smoke</b>
<b>Aesthetics</b>	Use instead of:	[Esthetics]
	Related terms:	<b>Landscape ecology</b>
[Afforestation]	Instead, use:	<b>Forestation</b>
<b>Age classes</b>	<b>Scope note:</b>	Age range of trees or other vegetation
	Related terms:	<b>Seedlings/ Diameter classes/ Old growth forests/ Size classes</b>
[Aging]	Instead, use:	<b>Senescence</b>
<b>Agriculture</b>	Use instead of:	[Farming]
	Related terms:	<b>Cropland fires/ Croplands/ CRP (Conservation Reserve Program)/ Fallowing/ Fertilizers/ Old fields/ Plantations/ Rangeland fires/ Rangelands/ Rural communities/ Slash and burn/ Soil conservation/ Tillage</b>
[Air pollution]	Instead, use:	<b>Air quality</b>
<b>Air quality</b>	Use instead of:	[Air pollution, Emissions]
	Broader terms:	<b>Pollution</b>
	Related terms:	<b>Aerosols/ Ash/ Burning permits/ Dust/ Gases/ Particulates/ Smoke/ Smoke management/ Soot</b>
<b>Air temperature</b>	Broader terms:	<b>Temperature</b>
<b>Albedo</b>	Instead, use:	<b>Radiation</b>
<b>Algae</b>	Broader terms:	<b>Soil organisms</b>
[Alkalinity]	Instead, use:	<b>pH</b>
<b>*Allelopathy</b>	<b>Scope note:</b>	The influence of plants, other than microorganisms, upon each other, arising from the products of their metabolism
	Use instead of:	[Chemical ecology]

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

THESAURUS

[Allometry]	Instead, use:	<b>Plant growth</b>
[*Alpine regions]	Instead, use:	<b>Mountains</b>
[Alvar]	Instead use:	<b>Mosses/Lichens</b>
<b>Amphibians</b>	Broader terms:	<b>Wildlife</b>
[Ancient fires]	Instead, use:	<b>Prehistoric fires</b>
[Animal distribution]	Instead, use:	<b>Distribution</b>
[Animals]	Instead, use:	<b>Livestock/ Wildlife</b> ; Prefer narrower or related terms when applicable or scientific name of particular species
	Narrower terms:	<b>Amphibians/ Birds/ Cavity nesting birds/ Fishes/ Game birds/ Mammals/ Marsupials/ Nongame birds/ Raptors/ Reptiles/ Small mammals/ Threatened and endangered species (animals)/ Wading birds/ Waterfowl</b>
	Related terms:	<b>Arachnids/ Bacteria/ Crustaceans/ Earthworms/ Insects/ Invertebrates/ Lepidoptera/ Microorganisms/ Mollusks/ Soil organisms</b>
[Annual burns]	Instead, use:	<b>Burning intervals/ Fire frequency</b>
<b>Annual plants</b>	Related terms:	<b>Carnivorous plants/ Coastal vegetation/ Composites/ Deciduous plants/ Ferns/ Forbs/ Grasses/ Grasslike plants/ Ground cover/ Herbaceous vegetation/ Legumes/ Lichens/ Mosses/ Native species (plants)/ Parasitic plants/ Perennial plants/ Shrubs/ Succulents/ Threatened and endangered species (plants)/ Vulnerable species or communities/ Weeds/ Wildflowers/ Wildlife food plants</b>
<b>Arthropods</b>	Broader terms:	<b>Invertebrates</b>
	Narrower terms:	<b>Arachnids</b>
	Related terms:	<b>Insects/Soil organisms</b>
<b>Anthropology</b>	Related terms:	<b>Prehistoric fires/Aborigines</b>
[Anthropogenic fires]	Instead, use:	<b>Incendiary fires/ Human caused fires</b>
<b>Arachnids</b>	Use instead of:	[Spiders]
	Broader terms:	<b>Arthropods/ Invertebrates</b>
<b>Archaeological sites</b>	Related terms:	<b>Aboriginal man/ Fire protection/ Native Americans/ Prehistoric fires</b>
<b>Arid regions</b>	Broader terms:	<b>Habitat types</b>
	Related terms:	<b>Deserts</b>
[Arson]	Instead, use:	<b>Incendiary fires</b>
<b>Arthropods</b>	Related terms:	<b>Arachnids/ Insects/ Invertebrates/ Soil organisms</b>

## E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

## THESAURUS

<b>Artificial cavities</b>	Related terms:	<b>Cavity nesting birds/ Cavity trees/ Nongame birds/ Translocation</b>
<b>Artificial regeneration</b>	<b>Scope note:</b>	Includes seeding and planting
	Use instead of:	[Seeding]
	Related terms:	<b>Regeneration</b>
<b>Artificial regeneration (aerial)</b>		
[Artificial suppression]	Instead, use:	<b>Suppression</b>
<b>*Ash</b>	Related terms:	<b>Air quality/ Fertilizers/ Particulates</b>
<b>Ashbed effect</b>		
[Autecology]	Instead, use:	<b>Population ecology</b>

## B

<b>Backfires</b>	<b>Scope note:</b>	Fire set along the inner edge of a control line to consume fuel in the path of a fire or change the direction of force of the fire's convection column
	Use instead of:	[Burning off, Burning out]
	Related terms:	<b>Firing techniques/ Headfires/ Prescribed fires</b>
<b>Backing fires</b>	<b>Scope note:</b>	A fire front spreading against the wind
	Related terms:	<b>Fire behavior</b>
<b>Bacteria</b>		
<b>*Balds</b>	Broader terms:	<b>Habitat types</b>
	Related terms:	<b>Grasslands</b>
<b>Banding</b>		
[Bare soils]	Instead, use:	<b>Mineral soils</b>
<b>Bark</b>	Related terms:	<b>Fire adaptations (plants)/ Trees</b>
<b>Barrens</b>	Broader terms:	<b>Habitat types</b>
<b>Barrier islands</b>	Use instead of:	[Sea islands]
	Broader terms:	<b>Habitat types</b>
[Basal sprouting]	Instead, use:	<b>Resprouting/ Sprouting</b>
[Behavior]	Instead, use:	<b>Habits and behavior</b>
[Benign wildfires]	Instead, use:	<b>Prescribed fires (chance ignition)</b>
<b>*Bibliographies</b>	Use instead of:	[Literature surveys]
[Biodiversity]	Instead, use:	<b>Species diversity (animals)/ Species diversity (plants)</b>
<b>Biogeochemical cycles</b>	Related terms:	<b>Nutrient cycling</b>
<b>*Biogeography</b>	Use instead of:	[Demography, Plant distribution, Plant geography, Vegetation patterns, Zoogeography]
	Related terms:	<b>Distribution/ Island ecology/ Plant ecology/ Relict vegetation</b>
<b>Biography</b>		

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

[Biological control]	Instead, use:	<b>Integrated pest management/ Weed control</b>
[Biological diversity]	Instead, use:	<b>Species diversity</b>
<b>*Biomass</b>	<b>Scope note:</b>	The total quantity, at any given time, of living organisms of one or more species per unit area or of all the species in a community
<b>Biomass burning</b>		
[Biotic diversity]	Instead, use:	<b>Species diversity</b>
<b>Birds</b>	Broader terms:	<b>Wildlife</b>
	Narrower terms:	<b>Cavity nesting birds/ Game birds/ Nongame birds/ Raptors/ Wading birds/ Waterfowl</b>
	Related terms:	<b>Wildlife management</b>
[Blacklining]	Intead, use:	<b>Firebreaks</b>
[Blowdowns]	Instead, use:	<b>Windthrows</b>
<b>*Blowups</b>	<b>Scope note:</b>	Fires which suddenly increase in intensity and rate of spread so as to preclude immediate control
	Related terms:	<b>Catastrophic fires/ Crown fires/ Fire behavior</b>
<b>*Bogs</b>	<b>Scope note:</b>	Poorly drained, uncultivated tract whose soil has a high percentage of vegetable matter supporting low vegetation/ shrubby plants and sometimes trees. More acidic and more continuously wet than a marsh
	Use instead of:	[Grass-sedge bogs, Seepage bogs, Shrub bogs]
	Broader terms:	<b>Habitat types</b>
	Narrower terms:	<b>Peat bogs</b>
	Related terms:	<b>Marshlands/ Pocosins/ Savannas/ Swamps/ Wetlands</b>
<b>Book reviews</b>		
<b>Boreal forests</b>	Broader terms:	<b>Forest types</b>
	Related terms:	<b>Tundra</b>
<b>Bottomland hardwoods</b>	<b>Scope note:</b>	Hardwoods growing in low-lying or swampy areas
	Use instead of:	[Hydric hammocks]
	Broader terms:	<b>Habitat types</b>
	Related terms:	<b>Hardwood forests/ Hardwood hammocks/ Trees</b>
[Boundary zones]	Instead, use:	<b>Ecotones</b>
[Breeding]	Instead, use:	<b>Habits and behavior along with Reproduction</b>
<b>Broadcast burning</b>	Related terms:	<b>Prescribed fires</b>
[Broadleaved trees]	Instead, use:	<b>Hardwoods</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
**THESAURUS**

<b>*Browse</b>	<b>Scope note:</b>	Buds, shoots and leaves of woody plants
	Broader terms:	<b>Woody plants</b>
	Related terms:	<b>Forage/ Grazing/ Wildlife food plants</b>
<b>Brush</b>	<b>Scope note:</b>	Shrubby vegetation and/or small stunted trees
	Broader terms:	<b>Habitat types /Trees</b>
	Related terms:	<b>Brush fires/ Chaparral/ Scrub/ Shrubs/ Shrub fires/ Sprouting</b>
<b>Brush fires</b>	Broader terms:	<b>Wildfires</b>
	Related terms:	<b>Brush/ Chaparral/ Cover type conversion/ Shrub fires/ Shrub fuels/ Shrubs</b>
<b>Bryophytes</b>	Related terms:	<b>Fungi/ Lichens/ Soil organisms</b>
<b>Buds</b>	Related terms:	<b>Flowering/ Foliage</b>
[Bulbs]	Instead, use:	<b>Roots</b>
[Bunch grasses]	Instead, use:	<b>Grasses</b>
[*Burning]	Instead, use:	<b>Prescribed fires</b>
<b>Burning intervals</b>	<b>Scope note:</b>	Interval between 2 successive prescribed burns
	Use instead of:	[Annual burns, Fire intervals, Time since last fire]
	Related terms:	<b>Fire frequency/ Fire regimes</b>
[Burning off]	Instead, use:	<b>Backfires</b>
[Burning out]	Instead, use:	<b>Backfires</b>
<b>Burning permits</b>	Related terms:	<b>Air quality/ Fire behavior/ Fire injuries (human)/ Fire weather/ Liability/ Natural resource legislation/ Prescribed fires/ Regulations/ Safety</b>
[Burning regimes]	Instead, use:	<b>Fire frequency/ Fire intensity/ Fire management/ Fire regimes</b>
[Burning techniques]	Instead, use:	<b>Firing techniques</b>
[Bush fires]	Instead, use:	<b>Wildfires</b>
[Butterflies]	Instead, use:	<b>Lepidoptera</b>

**C**

[Cactus]	Instead, use:	<b>Succulents</b>
<b>Calcium</b>	Broader terms:	<b>Chemical elements</b>
[Caloric values]	Instead, use:	<b>Combustion/ Heat</b>
[Canopy]	Instead, use:	<b>Crowns/ Overstory</b>
[Conservation Reserve Program]	Instead, use:	<b>CRP (Conservation Reserve Program)</b>
<b>*Carbon</b>	Broader terms:	<b>Chemical elements</b>
	Related terms:	<b>Charcoal</b>
<b>*Carbon dioxide</b>	Broader terms:	<b>Chemical compounds/ Gases</b>

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

<b>Carbon monoxide</b>	Broader terms:	<b>Gases</b>
<b>Carnivorous plants</b>		
<b>Carrying capacity</b>	<b>Scope note:</b>	Animal numbers that a habitat can maintain in a healthy vigorous condition
	Related terms:	<b>Ground cover/ Wildlife habitat management</b>
<b>Catastrophic fires</b>	Use instead of:	[Conflagrations, High intensity fires, Stand replacing fires]
	Related terms:	<b>Blowups/ Crown fires</b>
[Catchments]	Related terms:	<b>Watershed management/ Watersheds</b>
[Cattle]	Instead, use:	<b>Livestock</b>
<b>Cavity nesting birds</b>	Broader terms:	<b>Birds</b>
	Related terms:	<b>Nongame birds/ Snags/ Translocation</b>
<b>Cavity trees</b>	Related terms:	<b>Artificial cavities/ Translocation</b>
<b>Cellulose</b>	Related terms:	<b>Lignin/ Wood</b>
<b>Cerrado</b>	Broader terms:	<b>Habitat types</b>
[Chaining]	Instead, use:	<b>Site treatments</b>
<b>Chaparral</b>	Broader terms:	<b>Habitat types</b>
	Related terms:	<b>Brush/ Brush fires/ Scrub/ Shrub fires/ Shrubs</b>
<b>Char</b>		
<b>*Charcoal</b>	Related terms:	<b>Carbon/ Wood</b>
<b>*Charring</b>	Related terms:	<b>Charcoal/ Combustion</b>
<b>Chemical compounds</b>	Narrower terms:	<b>Carbon dioxide</b>
	Related terms:	<b>Pesticides</b>
[Chemical ecology]	Instead, use:	<b>Allelopathy</b>
<b>Chemical elements</b>	Broader terms:	<b>Chemistry</b>
	Narrower terms:	<b>Calcium/ Carbon/ Chlorine/ Copper/ Magnesium/ Manganese/ Nitrogen/ Phosphorus/ Potassium/ Sodium/ Sulfur/ Zinc</b>
	Related terms:	<b>Minerals/ Nutrients/ Plant nutrients</b>
<b>*Chemistry</b>	Narrower terms:	<b>Chemical elements/ Pesticides/ Wood chemistry</b>
[Chinook winds]	Instead, use:	<b>Foehn winds</b>
<b>Chlorine</b>	Broader terms:	<b>Chemical elements</b>
[Chopping]	Instead, use:	<b>Site treatments</b>
<b>Clearcutting</b>	Related terms:	<b>Logging</b>
<b>Climatology</b>	<b>Scope note:</b>	Prefer term <b>Fire weather</b> for works dealing with weather or meteorology as it relates to fire
	Use instead of:	[Meteorology, Weather]
	Narrower terms:	<b>Microclimate/ Phenology</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

THESAURUS

	Related terms:	<b>Air temperature/ Droughts/ENSO/ Fire weather/ Global warming/ Humidity/ Precipitation/ Storms/ Temperature/ Wind</b>
<b>*Climax vegetation</b>	Related terms:	<b>Old growth vegetation/ Succession</b>
[Clipping]	Instead, use:	<b>Cutting/ Site treatments</b>
[Closed cone]	Instead, use:	<b>Serotiny along with Cones</b>
[Coarse fuels]	Instead, use:	<b>Heavy fuels</b>
[Coarse woody debris]	Instead, use:	<b>Heavy fuels</b>
<b>Coastal forests</b>	Use instead of:	[Maritime forests]
	Broader terms:	<b>Forest types</b>
<b>Coastal plain</b>	Broader terms:	<b>Habitat types</b>
<b>Coastal vegetation</b>	Use instead of:	[Strand vegetation]
[Colonizers]	Instead, use:	<b>Pioneer species</b>
[Combustibility]	Instead, use:	<b>Flammability</b>
<b>*Combustion</b>	Narrower terms:	<b>Spontaneous combustion</b>
	Related terms:	<b>Combustion chambers/ Flammability</b>
<b>Combustion chambers</b>	Related terms:	<b>Combustion/ Laboratory fires</b>
<b>Community ecology</b>	Broader terms:	<b>Ecosystem dynamics</b>
	Related terms:	<b>Habitat types/ Plant communities/ Species diversity (animals)/ Species diversity (plants)</b>
[Community structure]	Instead, use:	<b>Community ecology</b>
<b>*Competition</b>	<b>Scope note:</b>	Demand by two or more organisms or kinds of organisms at the same time for some environmental resource in excess of the supply available/ resulting in elimination of the less effective organism from the ecological niche
	Related terms:	<b>Dominance (ecology)/ Suppression</b>
[Complex terrain]	Instead, use:	<b>Mountainous terrain</b>
<b>Composites</b>		
[Composition]	Instead, use:	<b>Species diversity (animals)/ Species diversity (plants)</b>
<b>Computer networks</b>		
<b>Computer programs</b>	Related terms:	<b>GIS/ GPS/ Maps/ Models</b>
[Computer simulations]	Instead, use:	<b>Models</b>
<b>Cones</b>	Use instead of:	[Pinecones]
	Broader terms:	<b>Seeds</b>
	Related terms:	<b>Reproduction/ Serotiny</b>
[Conflagrations]	Instead, use:	<b>Catastrophic fires</b>
<b>Coniferous forests</b>	Broader terms:	<b>Forest types</b>
	Related terms:	<b>Pine forests</b>
<b>Conifers</b>	<b>Scope note:</b>	For works dealing specifically with pines, prefer term <b>Pines</b>
	Use instead of:	[Softwoods]

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

	Broader terms:	<b>Trees</b>
<b>Conservation</b>	Related terms:	<b>Natural areas management/ Restoration</b>
<b>Conservation easements</b>		
[Conservation Reserve Program]	Instead, use:	<b>CRP (Conservation Reserve Program)</b>
[Control lines]	Instead, use:	<b>Firebreaks</b>
[Controlled burning, Controlled burns, Controlled fires]	Instead, use:	<b>Prescribed fires</b>
<b>Convection</b>	Related terms:	<b>Smoke management</b>
[Conversion]	Instead, use:	<b>Cover type conversion/ Habitat conversion</b>
[Cool burns]	Instead, use:	<b>Low intensity burns</b>
[Cool season burning]	Instead, use:	<b>Season of fire</b>
<b>Copper</b>	Broader terms:	<b>Chemical elements</b>
[Coppice]	Instead, use:	<b>Resprouting/ Sprouting</b>
[Corms]	Instead, use:	<b>Roots</b>
[Corridors]	Instead, use:	<b>Forest fragmentation/ Fragmentation/ Landscape ecology/ Wildlife habitat management</b>
[Cost]	Instead, use:	<b>Economics</b>
<b>Cover</b>	Narrower terms:	<b>Escape cover/ Ground cover/ Nesting cover</b>
<b>Cover type</b>	<b>Scope note:</b>	Vegetation complex described by a dominant species, age and form
<b>Cover type conversion</b>	<b>Scope note:</b>	Man made and/or natural environmental changes capable of effecting a response in an organism or altering its relationship with its environment
	Use instead of:	[Conversion, Habitat changes, Stand conversion]
	Related terms:	<b>Brush fires/ Deforestation/ Forestation/ Ground cover/ Habitat conversion/ Herbicides/ Nesting cover/ Prescribed fires/ Shrub fires/ Species diversity (animals)/ Species diversity (plants)/ Wildlife habitat management</b>
<b>Cropland fires</b>	Related terms:	<b>Agriculture/ Grass fires/ Prescribed fires</b>
<b>*Croplands</b>	Broader terms:	<b>Habitat types</b>
	Related terms:	<b>Agriculture/ Cropland fires/ CRP (Conservation Reserve Program)/ Old fields/ Wildlife habitat management</b>
[Crown cover]	Instead, use:	<b>Crowns</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

THESAURUS

<b>*Crown fires</b>	<b>Scope note:</b>	A fire that advances from top to top of trees or shrubs more or less independently of the surface fire
	Use instead of:	[Stand replacing fires, Severe fires]
	Related terms:	<b>Blowups/ Catastrophic fires/ Crowns/ Fire intensity/ Surface fires</b>
<b>Crown scorch</b>	Use instead of:	[Needle scorch]
	Broader terms:	<b>Fire injuries (plants)</b>
	Related terms:	<b>Scorch</b>
<b>Crowns</b>	Use instead of:	[Tree Crowns]
	Related terms:	<b>Crown fires/ Foliage/ Overstory</b>
<b>CRP (Conservation Reserve Program)</b>	Broader terms:	<b>Natural resource legislation</b>
	Related terms:	<b>Agriculture/ Croplands/ Erosion/ Erosion control/ Soil conservation/ Soil erosion/ Soil management</b>
[Cryptogamic soils]	Instead, use:	<b>Soils along with Mosses or Lichens or Algae or Bacteria</b>
[Cultivation]	Instead, use:	<b>Tillage</b>
<b>Crustaceans</b>	Broader terms:	<b>Invertebrates</b>
<b>Cutting</b>	Related terms	<b>Logging</b>

**D**

<b>Dead fuels</b>	Broader terms:	<b>Fuel types</b>
	Related terms:	<b>Fuel accumulation /Heavy fuels</b>
[Dead herbage]	Instead, use:	<b>Dead fuels/ Litter</b>
[Debris]	Instead, use:	<b>Litter</b>
[Decadent]	Instead, use:	<b>Senescence</b>
<b>Decay</b>	Related terms:	<b>Decomposition/ Duff/ Fuel accumulation/ Fungi/ Senescence</b>
<b>Deciduous forests</b>	Broader terms:	<b>Forest types</b>
	Related terms:	<b>Hardwood forests</b>
<b>Deciduous plants</b>		
[Deciduous trees]	Instead, use:	<b>Deciduous plants/ Hardwoods</b>
<b>*Decomposition</b>	Related terms:	<b>Decay</b>
<b>Deforestation</b>	Related terms:	<b>Forestation</b>
[Demography]	Instead, use:	<b>Biogeography/ Distribution</b>
<b>Dendrochronology</b>	Use instead of:	[Tree ring analysis]
	Related terms:	<b>Fire histories/ Fire scar analysis</b>
[Density]	Instead, use:	<b>Population density</b>
[Depredation]	Instead, use:	<b>Predation</b>
<b>Deserts</b>	Broader terms:	<b>Habitat types</b>
	Related terms:	<b>Arid regions</b>
[Detritus]	Instead, use:	<b>Litter/ Sedimentation</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

THESAURUS

<b>Diameter classes</b>	<b>Scope note:</b>	Intervals into which a range of diameters of tree stems may be divided for classification
	Related terms:	<b>Age classes/ Size classes</b>
<b>Digital data collection</b>		
<b>Dipterocarp forests</b>	Broader terms:	<b>Habitat types</b>
<b>*Diseases</b>	Narrower terms:	<b>Plant diseases</b>
[Disjunct populations]	Instead, use:	<b>Distribution/ Forest fragmentation/ Old growth forests/ Old growth vegetation/ Relict vegetation</b>
[Disking]	Instead, use:	<b>Site treatments</b>
[Dispersal]	Instead, use:	<b>Habits and behavior/ Seed dispersal</b>
<b>Distribution</b>	Use instead of:	[Animal distribution, Demography, Disjunct populations, Plant distribution, Species composition, Vegetation patterns]
	Related terms:	<b>Biogeography</b>
<b>*Disturbance</b>	Use instead of:	[Man caused disturbance, Natural disturbance, Stress]
	Related terms:	<b>Floods/ Wildfires</b>
[*Diversity (ecology)]	Instead, use:	<b>Species diversity (animals)/ Species diversity (plants)</b>
<b>*Dominance (ecology)</b>	<b>Scope note:</b>	The influence or control over ecological communities exhibited by dominant organisms or types of organisms
	Related terms:	<b>Competition</b>
[Dominance (genetics)]	Instead, use:	<b>Genetics</b>
[*Dormancy]	Instead, use:	<b>Plant dormancy/ Seed dormancy/ Tree dormancy</b>
[Dormant season burning]	Instead, use:	<b>Season of fire</b>
<b>Drainage</b>	Related terms:	<b>Runoff</b>
<b>*Droughts</b>	Related terms:	<b>Climatology/ Fire weather/ Moisture/ Precipitation</b>
[Droughty soils]	Instead, use:	<b>Xeric soils</b>
[Dry prairies]	Instead, use:	<b>Prairies</b>
<b>Duff</b>	<b>Scope note:</b>	Material composed of litter, fermentation and humus layers in different stages of decomposition
	Broader terms:	<b>Fuel types/ Organic matter/ Soils</b>
	Related terms:	<b>Decomposition/ Fine fuels/ Humus/ Litter</b>
[Dunes]	Instead, use:	<b>Sand dunes</b>
<b>Dust</b>	Broader terms:	<b>Particulates</b>
	Related terms:	<b>Air quality</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
**THESAURUS**

**E**

<b>Earthworms</b>	Broader terms:	<b>Invertebrates/ Soil organisms</b>
[Easements]	Instead, use:	<b>Conservation easements</b>
<b>Ecological niches</b>	Use instead of:	[Niches]
<b>*Ecology</b>	<b>Scope note:</b>	Prefer narrower term, i.e., <b>Community ecology/ Ecosystem dynamics/ Fire ecology/ Insect ecology/ Island ecology/ Landscape ecology/ Plant ecology</b>
	Related terms:	<b>Climax vegetation</b>
<b>Economics</b>	Use instead of:	[Cost]
[Ecosystem]	Instead, use:	<b>Forest types, Habitat types</b>
<b>Ecosystem dynamics</b>	Related terms:	<b>Biogeochemical cycles/ Community ecology/ Nutrient cycling</b>
<b>Ecotones</b>	<b>Scope note:</b>	Transition area between two adjacent ecological communities (e.g., forest and grassland)
	Use instead of:	[Boundary zones, Edge effect, Transition zones]
	Broader terms:	<b>Habitat types</b>
	Related terms:	<b>Forest edges/ Forest fragmentation</b>
[Edaphic]	Instead, use:	<b>Soils</b>
[Edge effect]	Instead, use:	<b>Ecotones/ Forest edges</b>
<b>Education</b>	Related terms:	<b>Public information</b>
<b>Elevation</b>	Related terms:	<b>Topography</b>
[El Nino]	Instead use:	<b>ENSO</b>
[Emissions]	Instead, use:	<b>Air quality</b>
[Encroachment]	Instead, use:	<b>Invasive species</b>
[Endangered species (animals)]	Instead, use:	<b>Threatened and endangered species (animals)</b>
[Endangered species (plants)]	Instead, use:	<b>Threatened and endangered species (plants)</b>
[Endemic species]	Instead, use:	<b>Native species (animals)/ Native species (plants)</b>
<b>*Energy</b>		
<b>ENSO</b>	<b>Scope note:</b>	El Niño-Southern Oscillation (El Niño and La Niña). Major temperature fluctuations that warm surface waters of tropical Pacific Ocean. Effects climate (and fire regimes) of southern hemisphere as part of large scale interaction of ocean and atmosphere.
	Broader term:	<b>Climatology</b>
	Related term:	<b>Global warming</b>
[Entomology]	Instead, use:	<b>Insects</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
**THESAURUS**

<b>Environmental impact analysis</b>	Related terms:	<b>Fire management</b>
<b>Environmental impact statements</b>	Related terms:	<b>Fire management</b>
<b>*Enzymes</b>		
[*Equipment]	Instead, use:	<b>Fire equipment</b>
<b>*Erosion</b>	Narrower terms:	<b>Soil erosion</b>
	Related terms:	<b>CRP (Conservation Reserve Program)/ Erosion control/ Runoff/ Sedimentation/ Watersheds</b>
<b>Erosion control</b>	Related terms:	<b>CRP (Conservation Reserve Program)/ Erosion/ Soil erosion/ Soil conservation/ Watershed management</b>
<b>Escape cover</b>	Broader terms:	<b>Cover</b>
	Related terms:	<b>Ground cover/ Nesting cover</b>
[Escape fires]	Instead, use:	<b>Spot fires</b>
[*Esthetics]	Instead, use:	<b>Aesthetics</b>
<b>European settlement</b>	Related terms:	<b>Presettlement fires</b>
<b>Evapotranspiration</b>	<b>Scope note:</b>	Loss of water from soil both by evaporation from the surface and by transpiration from the plants growing thereon
	Related terms:	<b>Transpiration</b>
[Even-aged management]	Instead, use:	<b>Forest management</b>
<b>Evergreenness</b>		
<b>Evergreens</b>		
<b>*Evolution</b>		
[*Exclusion]	Instead, use:	<b>Fire exclusion</b>
[Exotic species]	Instead, use:	<b>Introduced species/ Invasive species</b>
<b>*Experimental areas</b>	Use instead of:	[Experimental forests, Experimental plots]
	Related terms:	<b>Field experimental fires</b>
<b>*Experimental fires</b>	Narrower terms:	<b>Field experimental fires/ Laboratory fires</b>
[Experimental forests]	Instead, use:	<b>Experimental areas</b>
[Experimental plots]	Instead, use:	<b>Experimental areas</b>
<b>Extractives</b>	Use instead of:	[Wood extractives]
	Related terms:	<b>Resins</b>

**F**

[Fall burning]	Instead, use:	<b>Season of fire</b>
<b>*Fallowing</b>	Broader terms:	<b>Agriculture/ Soil management</b>
	Related terms:	<b>Croplands/ Soil moisture</b>

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

[Farm woodland]	Instead, use:	<b>Agriculture</b> along with specific forest type
[Farming]	Instead, use:	<b>Agriculture</b>
<b>FARSITE</b>	Scope note:	Fire behavior and growth simulator for use on Windows computers
[Fens]	Instead, use:	<b>Marshlands</b>
<b>Ferns</b>		
<b>Fertility</b>	Related terms:	<b>Reproduction/ Soil nutrients</b>
<b>Fertilization</b>	Related terms:	<b>Fertilizers/ Pollination</b>
<b>Fertilizers</b>	Related terms:	<b>Agriculture/ Ash/ Fertilization/ Potash</b>
<b>FIA (Forest Inventory and Analysis)</b>	<b>Scope note:</b>	US Forest Service program to collect, analyze & report information on status & trends of America's forests
	Broader terms:	<b>Forest management/ Natural resource legislation</b>
<b>Field experimental fires</b>	Use instead of:	[Fire plots]
	Broader terms:	<b>Experimental fires</b>
	Related terms:	<b>Experimental areas/ Laboratory fires</b>
[Field layer]	Instead, use:	<b>Ground cover</b>
<b>Fine fuels</b>	<b>Scope note:</b>	Draped grass, ferns, leaves, needles and moss that ignite readily when dry
	Use instead of:	[Small fuels]
	Broader terms:	<b>Fuel types</b>
	Related terms:	<b>Leaves/ Litter/ Needles</b>
[Fire accounts]	Instead, use:	<b>Fire case histories</b>
<b>Fire adaptations</b>	Broader terms:	<b>Adaptation</b>
	Narrower terms:	<b>Fire adaptations (animals)/ Fire adaptations (plants)/ Fire dependent species</b>
	Related terms:	<b>Bark/ Fire resistant plants/ Serotiny</b>
<b>Fire adaptations (animals)</b>	Broader terms:	<b>Fire adaptations</b>
<b>Fire adaptations (plants)</b>	Broader terms:	<b>Fire adaptations</b>
Fire and fire surrogate	Instead, use:	<b>National Fire and Fire Surrogate Study (NFFS)</b>
<b>Fire behavior</b>	<b>Scope note:</b>	The manner in which fuel ignites, flame develops and fire spreads and exhibits other phenomena
	Related terms:	<b>Backing fires/ Blowups/ Catastrophic fires/ Fire case histories/ Fire growth/ Fire intensity/ Fire weather/ Fire whirls/ Flame length/ Fuel appraisal/ Fuels/ Light burning/ Rate of spread/ Spot fires/ Wind</b>
[Fire behavior prediction]	Instead, use:	<b>Fire models</b>
	<b>Scope note:</b>	Any burning material that could start a forest fire

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

	<b>Scope note:</b>	Natural or man made features which may restrict a fire's movement
	Use instead of:	[Control lines, Firelanes, Firelines, Right-of-way]
	Broader terms:	<b>Fire control</b>
	Related terms:	<b>Fuel breaks/ Flank fires</b>
<b>Fire case histories</b>	<b>Scope note:</b>	Description or account of a single fire
	Use instead of:	[Fire accounts]
	Broader terms:	<b>Histories</b>
	Related terms:	<b>Fire behavior/ Fire histories</b>
[Fire climate]	Instead, use:	<b>Fire weather</b>
[Fire climax]	Instead, use:	<b>Fire effects</b> along with <b>Climax vegetation</b>
<b>Fire control</b>	<b>Scope note:</b>	All activities concerned with protection of habitats from fire
	Related terms:	<b>Fire exclusion/ Fire prevention/ Fire suppression</b>
<b>Fire damage (property)</b>	Related terms:	<b>Fire injuries (animals)/ Fire injuries (human)/ Fire injuries (plants)</b>
<b>Fire damage protection</b>		
<b>Fire danger rating</b>	<b>Scope note:</b>	Fire management systems that convert fire danger factors (weather, fuel, topography) into National Fire Danger Rating System mathematical models related to fire protection needs
	Use instead of:	[Fire potential, Fire prediction]
	Broader terms:	<b>Fire models</b>
	Narrower terms:	<b>Fire hazard/ Fire weather/ Fuel models/ Fuels/ Topography</b>
<b>Fire dependent species</b>	Related terms:	<b>Fire adaptations/ Fire adaptations (animals)/ Fire adaptations (plants)/ Fire ecology/ Fire resistant plants/ Fire sensitive plants</b>
<b>Fire ecology</b>	<b>Scope note:</b>	Use more specific term when possible. Use term <b>Fire ecology</b> to describe very general works
	Broader terms:	<b>Ecology</b>
	Related terms:	<b>Fire adaptations/ Fire dependent species/ Fire effects/ Fire exclusion/ Lightning effects/ Nutrient cycling/ Succession</b>
<b>Fire effects</b>	<b>Scope note:</b>	The physical, biological and ecological impact of fire on the environment
	Narrower terms:	<b>Fire injuries (animals)/ Fire injuries (plants)</b>

## E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

## THESAURUS

	Related terms:	<b>Fire ecology/ Mortality/ Soil erosion/ Water repellent soils</b>
<b>Fire equipment</b>	<b>Scope note:</b>	Fire fighting equipment or equipment used in conducting prescribed fires
	Use instead of:	[Equipment]
	Related terms:	<b>Fire suppression/ Foam</b>
<b>*Fire exclusion</b>	Use instead of:	[Absence of fire, Exclusion, Unburned areas]
	Related terms:	<b>Fire control/ Fire ecology/ Fire frequency/ Fuel accumulation/ Succession</b>
[Fire fighting]	Instead, use:	<b>Fire suppression</b>
[Fire following plants]	Instead, use:	<b>Post fire recovery</b> along with <b>Succession</b> or <b>Pioneer species</b>
<b>Fire frequency</b>	<b>Scope note:</b>	Prefer term <b>Burning intervals</b> for time between prescribed burns. Use term <b>Fire frequency</b> to describe natural frequency of fire
	Use instead of:	[Annual burns, Fire intervals, Frequency, Time since last fire]
	Related terms:	<b>Burning intervals/ Fire exclusion/ Fire histories/ Fire regimes/ Fire scar analysis</b>
<b>Fire growth</b>	Use instead of:	[Fire shape]
	Broader terms:	<b>Fire behavior</b>
	Related terms:	<b>Fire size/ Rate of spread</b>
<b>Fire hazard</b>	<b>Scope note:</b>	That part of fire danger contributed by the fuels available for burning
	Broader terms:	<b>Fire danger rating</b>
	Related terms:	<b>Fuel accumulation/ Fuel moisture/ Fuel types</b>
<b>Fire hazard reduction</b>	Use instead of:	[Fuel reduction]
	Related terms:	<b>Fire hazard/ Fire prevention/ Fuel management/ Fuels/ Light burning/ Prescribed fires/ Slash</b>
<b>Fire histories</b>	<b>Scope note:</b>	The historical occurrence of fire in an area. Includes news articles on forest fire occurrences
	Broader terms:	<b>Histories</b>
	Related terms:	<b>Dendrochronology/ Fire case histories/ Fire frequency/ Prehistoric fire/ Restoration</b>
<b>Fire injuries (animals)</b>	Use instead of:	[Fire wounds]
	Related terms:	<b>Heat effects</b>
<b>Fire injuries (human)</b>	Related terms:	<b>Health factors/ Safety</b>
<b>Fire injuries (plants)</b>	Use instead of:	[Fire damage, Fire scars, Fire wounds]
	Broader terms:	<b>Fire effects</b>

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

	Narrower terms:	<b>Crown scorch</b>
	Related terms:	<b>Fire scar analysis/ Heat effects/ Scorch</b>
<b>Fire intensity</b>	Use instead of:	[Fire severity, High intensity fires, Hot burns, Intensity, Severe fires, Stand replacing fires]
	Related terms:	<b>Catastrophic fires/ Crown fires/ Flame length/ Fire regimes/ Low intensity burns</b>
[Fire intervals]	Instead, use:	<b>Burning intervals/ Fire frequency</b>
[Firelanes]	Instead, use:	<b>Firebreaks/ Fuel breaks</b>
[Firelines]	Instead, use:	<b>Firebreaks</b>
[Fire maintained habitat]	Instead, use:	<b>Fire adaptations/ Fire dependent species</b>
<b>Fire management</b>	<b>Scope note:</b>	Activities required for the protection of burnable forest values from fire and the use of fire to meet land management goals
	Related terms:	<b>Environmental impact analysis/ Environmental impact statements/ Fire management planning/ Fire protection/ Fire regimes/ Forest management/ Fuel management/ Invasive species/ Land management/ Prescribed fires/ Range management/ Restoration</b>
<b>Fire management planning</b>	Related terms:	<b>Fire management</b>
<b>Fire models</b>	Broader terms:	<b>Models</b>
	Related terms:	<b>Rate of spread</b>
[Fire occurrence]	Instead, use:	<b>Fire frequency/ Fire histories</b>
[Fire plots]	Instead, use:	<b>Field experimental fires</b>
[Fire potential]	Instead, use:	<b>Fire danger rating</b>
[Fire prediction]	Instead, use:	<b>Fire danger rating</b>
<b>Fire prevention</b>	<b>Scope note:</b>	Prevention of destructive fire through education, law enforcement and fire hazard reduction
	Related terms:	<b>Fire control/ Fire hazard reduction/ Public information/ Smokey Bear program</b>
<b>Fire protection</b>	<b>Scope note:</b>	Protection of special areas (i.e., archaeological sites, snags, etc.) from prescribed fires
	Related terms:	<b>Archaeological sites/ Fire control/ Fire exclusion/ Fire management</b>
[Fire Regime Condition Class]	Instead, use:	<b>FRCC (Fire Regime Condition Class)</b>
<b>Fire regimes</b>	<b>Scope note:</b>	Includes both natural and prescribed fire regimes

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

	Use instead of:	[Burning regimes]
	Related terms:	<b>Burning intervals/ Fire frequency/ Fire intensity/ Fire management/ Fire size/ Prescribed fires/ Season of fire</b>
[Fire reintroduction]	Instead, use:	<b>Fire effects</b> along with <b>Restoration</b>
<b>Fire resistant plants</b>	Use instead of:	[Heat resistance]
	Related terms:	<b>Fire adaptations (plants)/ Fire dependent species/ Fire ecology/ Fire sensitive plants/ Flammability/ Fuel breaks</b>
[Fire restoration]	Instead, use:	<b>Fire effects</b> along with <b>Restoration</b>
<b>Fire retardants</b>	Related terms:	<b>Fire control</b>
<b>Fire scar analysis</b>	<b>Scope note:</b>	Analysis of one or more fire scars to determine fire intervals for specified area
	Related terms:	<b>Dendrochronology/ Fire frequency</b>
[Fire scars]	Instead, use:	<b>Fire injuries (plants)</b>
<b>Fire sensitive plants</b>	<b>Scope note:</b>	A species with thin bark or highly flammable foliage that has a greater probability of being killed or scarred by fire
	Related terms:	<b>Fire resistant plants</b>
[Fire severity]	Instead, use:	<b>Fire intensity</b>
[Fire shape]	Instead, use:	<b>Fire growth</b>
<b>Fire size</b>	Related terms:	<b>Fire growth/ Fire regimes</b>
[Fire spread]	Instead, use:	<b>Rate of spread</b>
[Fire storms]	Instead, use:	<b>Catastrophic fires</b>
<b>Fire suppression</b>	<b>Scope note:</b>	All the work connected with fire extinguishing operations
	Narrower terms:	<b>Firebreaks/ Mopping up</b>
	Related terms:	<b>Fire control/ Fire equipment/ Fire exclusion/ Firing techniques/ Foam</b>
<b>Fire suppression (aerial)</b>	Related terms:	<b>Firefighting personnel</b>
[Fire temperature]	Instead use:	<b>Fire intensity</b>
[Fire tolerance]	Instead, use:	<b>Fire adaptations (animals)/ Fire adaptations (plants)/ Fire resistant plants</b>
<b>Fire weather</b>	<b>Scope note:</b>	Weather as it relates to fire or forest meteorology. Use term <b>Climatology</b> for more general works on weather or climate
	Use instead of:	[Fire climate, Fires]
	Related terms:	<b>Climatology/ Droughts/ Fire behavior/ Fire season/ Foehn winds/ Humidity/ Lightning/ Prescribed fires/ Precipitation/ Rate of spread/ Temperature/ Wind</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

THESAURUS

[Fire weather forecasting]	Instead, use:	<b>Fire weather</b> along with <b>Fire danger rating</b>
<b>Fire whirls</b>	Use instead of:	[Whirlwinds]
	Broader terms:	<b>Fire behavior</b>
	Related terms:	<b>Firebrands/ Spot fires/ Vortices</b>
[Fire wounds]	Instead, use:	<b>Fire injuries (animals)/ Fire injuries (plants)</b>
<b>Firebrands</b>	<b>Scope note:</b>	Any burning material that could start a forest fire
	Related terms:	<b>Fire whirls/ Spot fires</b>
<b>Firebreaks</b>	<b>Scope note:</b>	Natural or man made features which may restrict a fire's movement
	Use instead of:	[Control lines, Firelanes, Firelines, Right-of-way]
	Broader terms:	<b>Fire control</b>
	Related terms:	<b>Fuel breaks/ Flank fires</b>
<b>Firefighting personnel</b>	Related terms:	<b>Fire injuries (human)/ Fire suppression / Health factors/ Safety</b>
[Firelanes]	Instead, use:	<b>Firebreaks/ Fuel breaks</b>
[Firelines]	Instead, use:	<b>Firebreaks</b>
[Fires]	Instead, use Narrower terms or Related terms	
	Narrower terms:	<b>Backing fires/ Catastrophic fires/ Cropland fires/ Escape fires/ Experimental fires/ Flank fires/ Grass fires/ Headfires/ Light fires/ Lightning caused fires/ Low intensity burns/ Man caused fires/ Peat fires/ Prehistoric fires/ Prescribed fires/ Prescribed fires (escaped) Spot fires/ Surface fires/ Wildfires</b>
	Related terms:	<b>Fire behavior/ Fire danger rating/ Fire ecology/ Fire effects/ Fire frequency/ Fire histories/ Fire intensity/ Fire management/ Fire models/ Fire prevention/ Fire regimes/ Fire suppression/ Fire weather/ Fire whirls/ Rate of spread</b>
<b>Firing techniques</b>	Use instead of:	[Burning techniques, Strip firing]
	Narrower terms:	<b>Aerial ignition</b>
	Related terms:	<b>Backfires/ Fire suppression/ Headfires/ Ignition/ Prescribed fires</b>
<b>Firewise Communities</b>	Scope note:	<b>Part of the National Wildland/Urban Interface Fire Program</b>
<b>Fishes</b>	Broader terms:	<b>Wildlife</b>
<b>Flame length</b>	Use instead of:	[Flame height]
	Related terms:	<b>Fire behavior/ Fire intensity</b>

## E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

## THESAURUS

<b>*Flammability</b>	Use instead of:	[Combustibility, Ignitability]
	Related terms:	<b>Combustion/ Fire resistant plants/ Ignition/ Spontaneous combustion</b>
<b>Flank fires</b>	<b>Scope note:</b>	A fire set along a control line to the wind and allowed to spread towards the main fire
	Related terms:	<b>Firebreaks</b>
<b>Flatwoods</b>	Use instead of:	[Pine flatwoods, Pine-palmetto flatwoods, Pine savannas, Scrub flatwoods]
	Broader terms:	<b>Forest types/ Habitat types</b>
	Related terms:	<b>Pine forests</b>
<b>Floods</b>	Related terms:	<b>Disturbance</b>
<b>*Flowering</b>	Broader terms:	<b>Plant physiology</b>
	Related terms:	<b>Buds/ Phenology/ Reproduction</b>
<b>Foam</b>	Related terms:	<b>Fire equipment/ Fire suppression/ Prescribed fires</b>
<b>Foehn winds</b>	<b>Scope note:</b>	A warm dry wind
	Use instead of:	[Chinook winds, Santa Ana winds]
	Broader terms:	<b>Wind</b>
	Related terms:	<b>Fire weather</b>
<b>Foliage</b>	Narrower terms:	<b>Leaves/ Needles</b>
	Related terms:	<b>Buds/ Crowns</b>
[Food habits]	Instead, use:	<b>Wildlife food habits</b>
<b>Forage</b>	<b>Scope note:</b>	Foods, both vegetative and nonvegetative, eaten by animals
	Broader terms:	<b>Grasses</b>
	Related terms:	<b>Browse/ Legumes/ Mast/ Wildlife food habits/ Wildlife food plants</b>
<b>Forbs</b>	<b>Scope note:</b>	An herb other than grass
	Broader terms:	<b>Herbaceous vegetation</b>
	Related terms:	<b>Forage/ Grasses/ Grazing/ Ground cover/ Understory vegetation/ Wildlife food plants</b>
<b>Forest edges</b>	Related terms:	<b>Ecotones/ Forest fragmentation</b>
[Forest entomology]	Instead, use:	<b>Insects</b>
[Forest fires]	Instead, use:	<b>Prescribed fires/ Wildfires</b>
[Forest floor]	Instead, use:	<b>Duff/ Litter/ Soils</b>
<b>Forest fragmentation</b>	<b>Scope note:</b>	Fragmentation of natural forests into progressively smaller patches isolated by plantations or agricultural, industrial or urban development
	Use instead of:	[Corridors, Disjunct populations, Forest patches, Habitat fragmentation, Patch dynamics, Powerline corridors, Remnant vegetation]
	Broader terms:	<b>Fragmentation</b>

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

	Related terms:	<b>Ecotones/ Forest edges/ Island ecology/ Landscape ecology/ Mosaic/ Vulnerable species or communities</b>
[Forest fuels]	Instead, use:	<b>Fuels</b>
[Forest insects]	Instead, use:	<b>Insects</b>
[Forest Inventory and Analysis]	Instead, use:	<b>FIA (Forest Inventory and Analysis)</b>
[Forest islands]	Instead, use:	<b>Island ecology</b>
[Forest litter]	Instead, use:	<b>Litter</b>
<b>Forest management</b>	Related terms:	<b>FIA (Forest Inventory and Analysis)/ Fire management/ Fuel management/ Habitat types/ Multiple resource management/ Natural resource legislation/ Partial cutting/ Range management/ Recreation/ Shelterwood/ Soil management/ Watershed management/ Wildlife management</b>
[Forest openings]	Instead, use:	<b>Wildlife openings</b>
[Forest patches]	Instead, use:	<b>Forest fragmentation/ Mosaic</b>
<b>Forest products</b>		
[Forest regeneration]	Instead, use:	<b>Regeneration</b>
[Forest roads]	Instead, use:	<b>Roads</b>
[Forest snags]	Instead, use:	<b>Snags</b>
[Forest soils]	Instead, use:	<b>Soils</b>
[Forest surveys]	Instead, use:	<b>Vegetation surveys</b>
<b>Forest types</b>	Narrower terms:	<b>Boreal forests/ Coastal forests/ Coniferous forests/ Deciduous forests/ Flatwoods/ Hardwood forests/ Montane forests/ Old growth forests/ Pine forests/ Pine hardwood forests/ Rain forests/ Sclerophyll forests/ Second growth forests/ Subalpine forests/ Temperate forests/ Tropical forests</b>

## THESAURUS

	Related terms:	<b>Arid regions/ Balds/ Barrier islands/ Bogs/ Bottomland hardwoods/ Brush/ Chaparral/ Coastal plain/ Croplands/ Deserts/ Ecotones/ Flatwoods/ Fynbos/ Grasslands/ Hammocks/ Hardwood hammocks/ Heathlands/ Lakes/ Marshes/ Marshlands/ Mediterranean habitats/ Mosaic/ Mountains/ Old fields/ Peat bogs/ Peatlands/ Piedmont/ Pine barrens/ Pocosins/ Ponds/ Prairies/ Rangelands/ Riparian habitats/ Rivers/ Salt marshes/ Sand dunes/ Sandhills/ Savannas/ Scrub/ Shrublands/ Streams/ Swamps/ Taiga/ Tallgrass prairies/ Tropical hardwood hammocks/ Tundra/ Urban habitats/ Wetlands</b>
<b>Forestation</b>	Use instead of:	[Afforestation, Reclamation, Reforestation]
	Related terms:	<b>Cover type conversion/ Deforestation/ Regeneration</b>
<b>Fossils</b>	Broader terms:	<b>Paleontology</b>
<b>Fragmentation</b>	Narrower terms:	<b>Forest fragmentation</b>
<b>FRCC (Fire Regime Condition Class)</b>	<b>Scope note:</b>	Interagency, standardized tool to determine degree of departure from reference condition vegetation, fuels & disturbance regimes
[*Frequency]	Instead, use:	<b>Fire frequency</b>
[Freshwater marshes]	Instead, use:	<b>Marshes</b>
<b>Fruits</b>	Related terms:	<b>Mast/ Seeds/ Wildlife food plants</b>
<b>Fuel accumulation</b>	Use instead of:	[Fuel weight]
	Related terms:	<b>Dead fuels/ Decay/ Fire exclusion/ Fire hazard/ Fuel appraisal/ Fuel loading/ Light burning/ Litter</b>
<b>Fuel appraisal</b>	<b>Scope note:</b>	Relation of fuel inventory to fire behavior
	Use instead of:	[Fuel measurement, Fuel assessment]
	Related terms:	<b>Fire behavior/ Fuel accumulation/ Fuel arrangement/ Fire hazard reduction/ Fuel inventory/ Fuel loading/ Fuel moisture</b>
<b>Fuel arrangement</b>	Use instead of:	[Fuel array]
[Fuel assessment]	Instead, use:	<b>Fuel appraisal</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

THESAURUS

<b>Fuel breaks</b>	<b>Scope note:</b>	Generally wide strips of land on which the native vegetation has been permanently modified so that fires burning into them can be readily controlled
	Related terms:	<b>Firebreaks/ Fire resistant plants</b>
[Fuel complex]	Instead, use:	<b>Fuel types</b>
[Fuel consumption]	Instead, use:	<b>Fire hazard reduction</b>
[Fuel depth]	Instead, use:	<b>Fuel loading</b>
<b>Fuel inventory</b>	Related terms:	<b>Fuel accumulation/ Fuel appraisal</b>
<b>Fuel loading</b>	Use instead of:	[Fuel depth]
	Related terms:	<b>Fuel accumulation/ Fuel appraisal</b>
<b>Fuel management</b>	Related terms:	<b>Fire hazard reduction/ Fire management/ Land management</b>
[Fuel measurement]	Instead, use:	<b>Fuel appraisal</b>
<b>Fuel models</b>	Related terms:	<b>Fire danger rating/ Fuel types/ Rate of spread</b>
<b>Fuel moisture</b>	Broader terms:	<b>Moisture</b>
	Related terms:	<b>Fire hazard</b>
[Fuel reduction]	Instead, use:	<b>Fire hazard reduction</b>
<b>Fuel types</b>	Use instead of:	[Fuel complex]
	Narrower terms:	<b>Brush/ Dead fuels/ Duff/ Fine fuels/ Fuel appraisal/ Grass fuels/ Heavy fuels/ Lichen moss fuels/ Litter/ Live fuels/ Slash/ Shrub fuels/ Surface fuels/ Wildland fuels/ Woody fuels</b>
	Related terms:	<b>Fire behavior/ Fire hazard/ Fire weather/ Fuel models/ Rate of spread</b>
[Fuel weight]	Instead, use:	<b>Fuel accumulation/ Fuel loading</b>
<b>Fuels</b>	Related terms:	<b>Fuel types</b>
<b>Fungi</b>	Use instead of:	[Mushrooms]
	Related terms:	<b>Bryophytes/ Decay/ Lichens/ Mycorrhiza/ Plant diseases/ Soil organisms</b>
[Fur bearers]	Instead, use:	<b>Mammals/ Small mammals</b>
<b>Fynbos</b>	Broader terms:	<b>Habitat types</b>

**G**

[Gallery forests]	Instead, use:	<b>Riparian habitats</b>
[Gallinaceous birds]	Instead, use:	<b>Game birds</b>
<b>Game birds</b>	Use instead of:	[Gallinaceous birds, Upland game birds]
	Broader terms:	<b>Birds/ Wildlife</b>
	Related terms:	<b>Hunting/ Nongame birds/ Plantations/ Waterfowl</b>

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

[Game cover]	Instead, use:	<b>Cover/ Ground cover</b>
[Game food plants]	Instead, use:	<b>Wildlife food plants</b>
[Game management]	Instead, use:	<b>Wildlife management</b>
[Gaps]	Instead, use:	<b>Openings</b>
<b>Garrigue</b>	Broader terms:	<b>Habitat types</b>
	Related terms:	<b>Shrublands</b>
<b>Gases</b>	Narrower terms:	<b>Carbon dioxide/ Carbon monoxide/ Methane/ Ozone/ Oxygen/Sulfur dioxide</b>
	Related terms:	<b>Air quality</b>
<b>General interest</b>	<b>Scope note:</b>	Works oriented to the non-specialist
<b>Genetics</b>	Use instead of:	[Dominance (Genetics)]
[Geochemical cycles]	Instead, use:	<b>Biogeochemical cycles/ Nutrient cycling</b>
[Geographic distribution of plants or animals]	Instead, use:	<b>Biogeography/ Distribution</b>
[Geographic Information Systems]	Instead, use:	<b>GIS</b>
<a href="#">Geographic Names are listed at the end of the thesaurus (following [Zoogeography])</a>		
<b>*Geography</b>	<b>Scope note:</b>	Prefer term <b>Biogeography</b> for geographical distribution of plants and animals; use <b>Topography</b> or specific term for topographic features (i.e., <b>Deserts, Grasslands, Swamps</b> , etc.)
	Related terms:	<b>GIS/GPS</b>
<b>Geology</b>		
<b>*Germination</b>	Narrower terms:	<b>Seed germination</b>
<b>GIS</b>	<b>Scope note:</b>	Geographic Information System. A computer database containing files of multiple variables, such as habitat types, species composition and land use patterns. Through a GIS process called map overlay, different data coverage can be combined in any desired manner to create thematic maps
	Broader terms:	<b>Computer programs</b>
	Related terms:	<b>GPS/ Maps/ Remote sensing</b>
<b>Glaciers</b>		
Glades	Instead, use:	Openings
[Global Positioning System]	Instead, use:	<b>GPS</b>
<b>Global warming</b>	Broader term:	<b>Climatology</b>
	Related term:	<b>ENSO</b>
[Golf courses]	Instead use:	<b>Recreation</b>
<b>GPS</b>	<b>Scope note:</b>	Global Positioning System. A system of earth-orbiting satellites offering continuous data

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

	Broader terms:	<b>Computer programs</b>
	Related terms:	<b>GIS/ Maps/ Remote sensing</b>
[Graminoids]	Instead use:	<b>Grasses</b>
[Grass]	Instead, use:	<b>Grasses</b>
<b>Grass fires</b>	Related terms:	<b>Cropland fires/ Grasses/ Grass fuels/ Rangeland fires/ Wildfires</b>
<b>Grass fuels</b>	Broader terms:	<b>Fuel types</b>
	Related terms:	<b>Grasses/ Grass fires</b>
<b>*Grasses</b>	Use instead of:	[Bunch grasses]
	Broader terms:	<b>Herbaceous vegetation</b>
	Narrower terms:	<b>Forage</b>
	Related terms:	<b>Grass fires/ Grass fuels/ Grasslands/ Grazing/ Ground cover/ Rangeland fires/ Understory vegetation/ Wildlife food plants</b>
<b>*Grasslands</b>	Use instead of:	[Meadows, Pastures]
	Broader terms:	<b>Habitat types</b>
	Related terms:	<b>Balds/ Bogs/ Grasses/ Grazing/ Herbaceous vegetation/ Prairies/ Rangelands/ Range management/ Savannas/ Tallgrass prairies/ Tundra/ Wildlife openings</b>
<b>Grasslike plants</b>	<b>Scope note:</b>	A plant superficially resembling a true grass but actually belonging to the sedge or rush family
	Use instead of:	[Rushes, Sedges]
	Broader terms:	<b>Herbaceous vegetation/ Wildlife food plants</b>
[Grass-sedge bogs]	Instead, use:	<b>Bogs</b>
<b>Grazing</b>	Related terms:	<b>Browse/ Forbs/ Grasses/ Herbivory/ Livestock/ Rangeland fires/ Range management</b>
[Green fuels]	Instead, use:	<b>Live fuels</b>
[Greenhouse effect]	Instead, use:	<b>Global warming</b>
<b>Greenhouse gases</b>		
<b>*Ground cover</b>	<b>Scope note:</b>	Herbaceous plants (including grasses and ferns) and the lowest shrubs occupying an area
	Use instead of:	[Field layer, Game cover, Vegetative cover]
	Related terms:	<b>Carrying capacity/ Cover type conversion/ Escape cover/ Forbs/ Grasses/ Herbaceous vegetation/ Nesting cover/ Understory vegetation</b>
<b>Ground fires</b>	Related terms:	<b>Peat fires/ Surface fires</b>
[Growing season burning]	Instead, use:	<b>Season of fire</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
**THESAURUS**

**H**

[Habitat changes]	Instead, use:	<b>Cover type conversion/ Habitat conversion</b>
[Habitat Conservation Plan]	Instead, use:	<b>HCP (Habitat Conservation Plan)</b>
<b>Habitat conversion</b>	Use instead of:	[Stand conversion]
	Related terms:	<b>Cover type conversion</b>
[Habitat fragmentation]	Instead, use:	<b>Forest fragmentation/ Fragmentation</b>
[Habitat management]	Instead, use:	<b>Wildlife habitat management</b>
[Habitat models]	Instead, use:	<b>Habitat suitability</b> along with <b>Models</b>
<b>Habitat suitability</b>	<b>Scope note:</b>	Can refer to population abundance, survival and mortality or reproductive output for any living organism
[Habitat suitability models]	Instead, use:	<b>Habitat suitability</b> along with <b>Models</b>
<b>Habitat types</b>	<b>Scope note:</b>	Prefer narrower term
	Use instead of:	[Plant associations, Vegetation types]
	Narrower terms:	<b>Arid regions/ Balds/ Barrens/Barrier islands/ Bogs/ Boreal forests/ Bottomland hardwoods/ Brush/ Cerrado/Chaparral/ Climax vegetation/ Coastal forests/ Coastal plain/ Coastal vegetation/ Coniferous forests/ Croplands/ Deciduous forests/ Deserts/ Dipterocarp forests/ Ecotones/ Flatwoods/ Fynbos/ Garrigue/ Grasslands/ Hammocks/ Hardwood forests/ Hardwood hammocks/ Heathlands/ Jarrah/Karri/Lakes/ Madrean habitats/Marshes/ Marshlands/ Mediterranean habitats/ Montane forests/ Mosaic/ Mountains/ Old fields/ Old growth forests/ Old growth vegetation/ Peat bogs/ Peatlands/ Piedmont/ Pine barrens/ Pine forests/ Pine hardwood forests/ Pocosins/ Ponds/ Prairies/ Rain forests/ Rangelands/ Riparian habitats/ Rivers/ Salt marshes/ Sand dunes/ Sandhills/ Savannas/ Sclerophyll forests/ Scrub/ Second growth forests/ Shrublands/ Sloping terrain/ Streams/ Subalpine forests/ Swamps/ Taiga/ Tallgrass prairies/ Temperate forests/ Tropical forests/ Tropical hardwood hammocks/ Tundra/ Urban habitats/</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
**THESAURUS**

	Related terms:	<b>Community ecology/ Cover type conversion/ Ecological niches/ Escape cover/ Forest types/ Habitat conversion/ Habitat suitability/ Openings/ Wilderness areas/ Wildlife openings/ Wildlife refuges</b>
<b>Habits and behavior</b>	Use instead of:	[Activity, Behavior]
	Narrower terms:	<b>Seasonal activities/ Wildlife food habits</b>
<b>Hammocks</b>	Use instead of:	[Hummocks]
	Broader terms:	<b>Habitat types</b>
	Narrower terms:	<b>Hardwood hammocks/ Tropical hardwood hammocks</b>
[Hard mast]	Instead, use:	<b>Mast/ Seeds</b>
[Hardwood control]	Instead, use:	<b>Hardwoods</b> along with <b>Competition</b>
<b>Hardwood forests</b>	Use instead of:	[Mesic hardwoods, Mixed hardwood forests, Upland hardwoods]
	Broader terms:	<b>Forest types</b>
	Related terms:	<b>Bottomland hardwoods/ Deciduous forests/ Hardwood hammocks/ Pine hardwood forests</b>
<b>Hardwood hammocks</b>	Use instead of:	[Hydric hammocks, Mesic hammocks, Rockland hammocks, Upland hammocks, Xeric hammocks]
	Broader terms:	<b>Habitat types/ Hammocks</b>
	Related terms:	<b>Bottomland hardwoods/ Hardwood forests/ Tropical hardwood hammocks</b>
<b>*Hardwoods</b>	<b>Scope note:</b>	Broad-leaved trees in contrast to needle-leaved trees, sometimes referred to as "hardwoods" as opposed to coniferous "softwoods"
	Use instead of:	[Broadleaved trees, Deciduous trees, Understory hardwoods]
	Broader terms:	<b>Trees</b>
[Harvesting]	Instead, use:	<b>Logging</b>
<b>HCP (Habitat Conservation Plan)</b>	<b>Scope note:</b>	Habitat Conservation Plan. In exchange for conservation measures outlined in Habitat Conservation Plan, landowner gets Incidental Take Permit (ITP) authorizing conversion/modification of endangered species' habitat. Mechanism to resolve conflicts between private land use and Endangered Species Act (ESA).

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

THESAURUS

	Broader terms:	Natural resource legislation/ Threatened and endangered species (animals)/ Threatened and endangered species (plants)
	Related terms:	Private lands/ Regulations/Threatened species (animals)/ Threatened species (plants)
<b>Headfires</b>	<b>Scope note:</b>	Fire front spreading with the wind
	Related terms:	<b>Backfires/ Firing techniques/ Prescribed fires</b>
<b>Health factors</b>	Related terms:	<b>Fire injuries (human)/ Fire suppression/ Firefighting personnel/ Safety</b>
<b>Healthy Forests Initiative</b>	Broader term:	Natural resource legislation [HFI]
	Related terms:	<b>Logging/ Thinning</b>
<b>Healthy Forests Restoration Act of 2003</b>	Related terms:	Natural resource legislation
<b>*Heat</b>	Use instead of:	[Caloric values]
	Related terms:	<b>Fire intensity/ Heat effects/ Radiation/ Temperature</b>
<b>Heat effects</b>	Related terms:	<b>Fire injuries (animals)/ Fire injuries (human)/ Fire injuries (plants)/ Heat</b>
[Heat resistance]	Instead, use:	<b>Fire resistant plants</b>
<b>Heathlands</b>	Use instead of:	[Moorlands]
	Broader terms:	<b>Habitat types</b>
	Related terms:	<b>Shrubs</b>
<b>Heavy fuels</b>	Use instead of:	[Coarse fuels, Coarse woody debris, Large fuels]
	Broader terms:	<b>Fuel types</b>
[Helitorch]	Instead, use:	<b>Aerial ignition</b>
<b>Herbaceous vegetation</b>	<b>Scope note:</b>	Seed-producing plants which do not develop persistent woody tissue; grasses and forbs as opposed to shrubs and trees
	Narrower terms:	<b>Forbs/ Grasses/ Grasslike plants</b>
	Related terms:	<b>Grasslands/ Prairies/ Understory vegetation</b>
[Herbage production]	Instead, use:	<b>Biomass along with Herbaceous vegetation</b>
<b>Herbicides</b>	Broader terms:	<b>Pesticides</b>
	Related terms:	<b>Cover type conversion</b>
<b>Herbivory</b>	Related terms:	<b>Grazing</b>
[HFI (Healthy Forests Initiative)]	Instead, use:	<b>Healthy Forests Initiative</b>
[High intensity fires]	Instead, use:	<b>Catastrophic fires/ Fire intensity</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

THESAURUS

[High pine forests]	Instead, use:	<b>Pine forests/ Sandhills</b>
[Hilly terrain]	Instead, use:	<b>Sloping terrain</b>
<b>Histories</b>	Use instead of:	[Natural histories]
	Narrower terms:	<b>Fire case histories/ Fire histories</b>
[Hot burns]	Instead, use:	<b>Fire intensity</b>
<b>Human caused fires</b>	Use instead of:	[Man caused fires]
	Narrower terms:	<b>Incendiary fires</b>
	Related terms:	<b>Native Americans/ Prescribed fires (chance ignition)/ Presettlement fires/ Recreation related fires</b>
<b>*Humidity</b>	Related terms:	<b>Climatology/ Fire weather</b>
[Hummocks]	Instead, use:	<b>Hammocks</b>
<b>*Humus</b>	Use instead of:	[Mor, Raw humus]
	Broader terms:	<b>Organic matter/ Soils</b>
	Related terms:	<b>Decay/ Duff/ Fine fuels/ Litter</b>
[Humus soils]	Instead, use:	<b>Organic soils</b>
<b>Hunting</b>	Related terms:	<b>Game birds/ Nongame birds/ Plantations/ Trapping</b>
	Broader terms:	<b>Recreation</b>
[Hurricanes]	Instead, use:	<b>Storms</b>
[Hydric hammocks]	Instead, use:	<b>Hammocks/ Hardwood hammocks</b>
<b>Hydrocarbons</b>		
<b>*Hydrology</b>	Related terms:	<b>Runoff/ Streamflow/ Streams/ Watersheds</b>
[Hydrophobic soils]	Instead, use:	<b>Water repellant soils</b>

I

[Ignitability]	Instead, use:	<b>Flammability</b>
<b>*Ignition</b>	Narrower terms:	<b>Aerial ignition</b>
	Related terms:	<b>Firing techniques/ Flammability</b>
[Improvement cutting]	Instead, use:	<b>Thinning</b>
<b>Incendiary fires</b>	Use instead of:	[Arson]
	Broader terms:	<b>Human caused fires</b>
[Indians]	Instead, use:	<b>Native Americans</b>
[Infertility]	Instead, use:	<b>Soil nutrients</b>
[Infrared photography]	Instead, use:	<b>Photography</b>
<b>Insect ecology</b>	Broader terms:	<b>Ecology/ Insects</b>
<b>Insecticides</b>	Broader terms:	<b>Pesticides</b>
<b>Insects</b>	Broader terms:	<b>Arthropods/ Invertebrates</b>
	Narrower terms:	<b>Lepidoptera</b>
	Related terms:	<b>Arachnids/ Insect ecology/ Integrated pest management/ Soil organisms</b>
<b>Integrated pest management</b>	Related terms:	<b>Arthropods/ Insects</b>
[*Intensity]	Instead, use:	<b>Fire intensity</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

THESAURUS

[Intensive forest management]	Instead, use:	<b>Site treatments</b>
<b>Introduced species</b>	Use instead of:	[Alien species, Exotic species]
	Related terms:	<b>Invasive species</b>
<b>Invasive species</b>	Use instead of:	[Encroachment]
	Related terms:	<b>Fire management/ Introduced species/ Pioneer species/ Succession</b>
<b>Invertebrates</b>	Narrower terms:	<b>Arachnids/ Arthropods/ Crustaceans/ Earthworms/ Insects/ Lepidoptera/ Mollusks/ Soil organisms</b>
<b>Iron</b>		
<b>Island ecology</b>	<b>Scope note:</b>	Ecology of habitat islands or small patches of habitat in a regional landscape
	Use instead of:	[Forest islands]
	Broader terms:	<b>Ecology</b>
	Related terms:	<b>Biogeography/ Forest fragmentation/ Species diversity (animals)/ Species diversity (plants)</b>

**J**

<b>Jarrah</b>	Broader terms:	<b>Habitat types</b>
<b>Juvenile literature</b>	Related terms:	<b>Education/ General interest</b>
[Juveniles]	Instead, use:	<b>Seedlings</b>

**K**

<b>Karri</b>	Broader terms:	<b>Habitat types</b>
<b>Keystone species</b>	<b>Scope note:</b>	Species that have a disproportionately large effect on other species in a community

**L**

<b>Laboratory fires</b>	Broader terms:	<b>Experimental fires</b>
	Related terms:	<b>Combustion chambers/ Field experimental fires</b>
<b>Lakes</b>		
<b>Land management</b>	Related terms:	<b>Fire management/ Fuel management</b>
[Landsat]	Instead, use:	<b>Remote sensing</b>
[Landscape architecture]	Instead, use:	<b>Landscape ecology</b>
[Landscape diversity]	Instead, use:	<b>Landscape ecology</b>
<b>Land use</b>		
[Land use history]	Instead, use:	<b>Land use</b>

## E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

## THESAURUS

<b>Land use planning</b>	<b>Scope note:</b>	Recreational, residential or agricultural land use planning
	Related terms:	<b>Multiple resource management/ Natural areas management/ Wildlife habitat management</b>
<b>Landscape ecology</b>	Broader terms:	<b>Ecology</b>
	Related terms:	<b>Aesthetics/ Forest fragmentation/ Mosaic</b>
[Large fuels]	Instead, use:	<b>Heavy fuels</b>
[*Leaching]	Instead, use:	<b>Soil leaching</b>
<b>Leave strips</b>	<b>Scope note:</b>	A strip of timber left standing between two clear-cut areas
<b>Leaves</b>	Broader terms:	<b>Foliage</b>
	Related terms:	<b>Needles</b>
<b>Legislation</b>	Related terms:	<b>Air quality/ Burning permits/ Prescribed fires/ Regulations</b>
	Narrower terms:	<b>Natural resource legislation</b>
<b>*Legumes</b>	Related terms:	<b>Forage</b>
<b>Lepidoptera</b>	Use instead of:	[Butterflies, Moths]
	Broader terms:	<b>Insects/ Invertebrates</b>
[Let burn]	Instead, use:	<b>Prescribed fires (chance ignition)</b>
<b>Liability</b>		
<b>Lichen moss fuels</b>	Broader terms:	<b>Fuel types</b>
	Related terms:	<b>Lichens/ Mosses</b>
<b>Lichens</b>	Related terms:	<b>Bryophytes/ Fungi/ Lichen moss fuels</b>
<b>*Light</b>	Related terms:	<b>Photosynthesis</b>
<b>*Light burning</b>	<b>Scope note:</b>	Degree of burn which leaves the soil covered with partially charred organic material
	Broader terms:	<b>Prescribed fires</b>
	Related terms:	<b>Fire hazard reduction/ Fuel accumulation/ Low intensity burns</b>
<b>Lightning</b>	Related terms:	<b>Fire weather/ Lightning caused fires/ Lightning effects/ Storms</b>
<b>Lightning caused fires</b>	Use instead of:	[Natural fires]
	Related terms:	<b>Latent fires/ Lightning/ Lightning effects/ Prescribed fires (chance ignition)</b>
<b>Lightning effects</b>	Broader terms:	<b>Fire behavior/ Fire effects</b>
	Related terms:	<b>Fire ecology/ Lightning/ Lightning caused fires</b>
<b>Lignin</b>	Related terms:	<b>Cellulose/ Wood</b>
[Literature surveys]	Instead, use:	<b>Bibliographies</b>
<b>Litigation</b>	<b>Scope note:</b>	Lawsuit, in natural resources arena, often to contest a law or its implementation.
	Related terms:	<b>Natural resource legislation</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

THESAURUS

<b>*Litter</b>	<b>Scope note:</b>	Uppermost layer of organic debris
	Use instead of:	[Dead herbage, Debris, Detritus, Forest litter, Marsh litter, Mulch, Prairie litter]
	Broader terms:	<b>Organic matter</b>
	Related terms:	<b>Duff/ Fine fuels/ Fuel accumulation/ Fuel types/ Humus</b>
[Litterfall]	Instead, use:	<b>Litter</b>
<b>Live fuels</b>	Use instead of:	[Green fuels]
	Broader terms:	<b>Fuel types</b>
Liverworts	Instead, use:	<b>Bryophytes</b>
<b>Livestock</b>	Use instead of:	[Cattle]
	Related terms:	<b>Range management</b>
<b>Logging</b>	Use instead of:	[Harvesting, Selective logging, Timber harvesting, Tree harvesting]
	Related terms:	<b>Clearcutting/ Cutting/ Partial cutting/ Shelterwood/ Slash/ Thinning/HFI (Healthy Forests Initiative)</b>
[Low fertility]	Instead, use:	<b>Soil nutrients</b>
<b>Low intensity burns</b>	Related terms:	<b>Fire intensity/ Light burning</b>

**M**

<b>Madrean habitats</b>	<b>Scope note:</b>	Subtropical Madrean pine-oak woodlands found in mountains of the southwestern USA (Arizona, New Mexico, and western Texas) and in mountains of Mexico.
<b>Magnesium</b>	Broader terms:	<b>Chemical elements</b>
<b>Mammals</b>	Broader terms:	<b>Wildlife</b>
	Narrower terms:	<b>Small mammals</b>
[Management]	Instead, use:	<b>Fire management/ Fire management planning/ Forest management/ Fuel management/ Integrated pest management/ Land management/ Multiple resource management/ Natural areas management/ Range management/ Smoke management/ Soil management/ Watershed management/ Wilderness fire management/ Wildlife habitat management/ Wildlife management</b>
[Management fires]	Instead, use:	<b>Prescribed fires/ Prescribed fires (chance ignition)</b>
[Man caused disturbance]	Instead, use:	<b>Disturbance</b>
[Man caused fires]	Instead, use:	<b>Human caused fires</b>

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

<b>Manganese</b>	Broader terms:	<b>Chemical elements</b>
<b>Manuals</b>		
<b>Mapping</b>		
<b>*Maps</b>	Related terms:	<b>Computer programs/ GIS/ GPS/ Models</b>
[Maritime forests]	Instead, use:	<b>Coastal forests</b>
<b>Marshes</b>	Use instead of:	[Freshwater marshes]
	Narrower terms:	<b>Salt marshes</b>
<b>Marshlands</b>	<b>Scope note:</b>	Generally, a rather wet uncultivated tract whose soil has a considerable percentage of vegetative matter supporting low vegetation and is less continuously wet than a bog
	Use instead of:	[Fens]
	Broader terms:	<b>Habitat types</b>
	Related terms:	<b>Bogs/ Riparian habitats/ Swamps/ Wetlands</b>
[Marsh litter]	Instead, use:	<b>Litter</b>
<b>Marsupials</b>	Broader terms:	<b>Wildlife</b>
<b>Mast</b>	<b>Scope note:</b>	Fruits and seeds of trees considered as food for livestock and certain kinds of wildlife
	Use instead of:	[Acorns]
	Broader terms:	<b>Wildlife food plants</b>
	Related terms:	<b>Forage/ Fruits/ Seeds</b>
[Mathematical models]	Instead, use:	<b>Models</b>
[Mature forests]	Instead, use:	<b>Old growth forests</b>
[Meadows]	Instead, use:	<b>Grasslands/ Wildlife openings</b>
[Mechanical preparation]	Instead, use:	<b>Site treatments</b>
[Media]	Instead, use:	<b>Public information</b>
<b>Mediterranean habitats</b>	Broader terms:	<b>Habitat types</b>
[Mesic hammocks]	Instead, use:	<b>Hardwood hammocks</b>
[Mesic hardwoods]	Instead, use:	<b>Hardwood forests</b>
<b>Mesic soils</b>	<b>Scope note:</b>	Sites or habitats characterized by intermediate moisture conditions, i.e., neither decidedly wet nor decidedly dry
	Broader terms:	<b>Soils</b>
[Meteorology]	Instead, use:	<b>Climatology/ Fire weather</b>
<b>Methane</b>	Broader terms:	<b>Gases</b>
<b>*Microclimate</b>	<b>Scope note:</b>	Small-scale climate which exists within a larger habitat
	Broader terms:	<b>Climatology</b>
[Microhabitats]	Instead, use:	<b>Microclimate</b>
<b>Microorganisms</b>	Related terms:	<b>Bacteria/ Soil organisms</b>
<b>Military lands</b>	Related terms:	<b>Private lands</b>

## E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

## THESAURUS

<b>Mineral soils</b>	<b>Scope note:</b>	Soil that has little combustible material
	Use instead of:	[Bare soils]
	Broader terms:	<b>Soils</b>
	Related terms:	<b>Organic soils</b>
[Mineralization]	Instead, use:	<b>Nutrient cycling</b>
<b>*Minerals</b>	Related terms:	<b>Chemical elements/ Nutrients</b>
<b>Mining</b>		
[Mixed hardwood forests]	Instead, use:	<b>Hardwood forests</b>
[Mixed prairies]	Instead, use:	<b>Prairies</b>
<b>Models</b>	<b>Scope note:</b>	Use for works dealing with computer or mathematical models
	Narrower terms:	<b>Fire danger rating/ Fire models/ Fuel models</b>
	Related terms:	<b>Computer programs/ GIS/ GPS/ Maps/ Sampling/ Statistical analysis</b>
<b>*Moisture</b>	Narrower terms:	<b>Fuel moisture/ Soil moisture</b>
	Related terms:	<b>Droughts</b>
<b>Mollusks</b>	Broader terms:	<b>Invertebrates</b>
<b>Montane forests</b>	Broader terms:	<b>Forest types</b>
	Related terms:	<b>Mountains</b>
[Moorlands]	Instead, use:	<b>Heathlands</b>
<b>Mopping up</b>	<b>Scope note:</b>	Making a fire safe after it has been controlled by extinguishing or removing burning material, felling snags, etc.
	Broader terms:	<b>Fire suppression</b>
[Mor]	Instead, use:	<b>Humus</b>
[Morphology]	Instead, use:	<b>Plant physiology</b>
<b>Mortality</b>	Related terms:	<b>Fire effects</b>
<b>*Mosaic</b>	<b>Scope note:</b>	Diverse, patchy conditions in plant communities; patches of burned and unburned vegetation resulting from prescribed or natural fires
	Use instead of:	[Patchy burning]
	Related terms:	<b>Forest fragmentation/ Fragmentation/ Landscape ecology/ Wildlife habitat management/ Wildlife openings</b>
<b>Mosses</b>	Related terms:	<b>Lichen moss fuels</b>
	Broader terms:	<b>Bryophytes</b>
[Moths]	Instead, use:	<b>Lepidoptera</b>
<b>Mountainous terrain</b>	Use instead of:	[Complex terrain]
	Related terms:	<b>Sloping terrain</b>
<b>Mountains</b>	Broader terms:	<b>Habitat types</b>
<b>Mowing</b>	Related terms:	<b>Site treatments</b>
[Mulch]	Instead, use:	<b>Litter</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

THESAURUS

<b>Multiple resource management</b>	Related terms:	<b>Forest management/ Land use planning/ Wildlife habitat management</b>
[Mushrooms]	Instead, use:	<b>Fungi</b>
<b>Mycorrhiza</b>	<b>Scope note:</b>	The phenomenon of the probably symbiotic or at least non-parasitic association between the root or rhizome of a green plant and a fungus and the structure so produced
	Related terms:	<b>Fungi</b>

**N**

**National Fire and Fire Surrogate Study (NFFS)**

[National Fire Danger Rating System]	Instead, use:	<b>Fire danger rating</b>
<b>National Fire Plan</b>	Related terms:	<b>Fire management planning</b>
<b>National forests</b>	Related terms:	<b>National parks/ State forests/ Wilderness areas/ Wildlife refuges</b>
<b>National parks</b>	Related terms:	<b>National forests/ Yellowstone National Park</b>
[National reserves]	Instead, use:	<b>Wildlife refuges</b>
<b>Native Americans</b>	Use instead of:	[Indians]
	Related terms:	<b>Aboriginal man/ Human caused fires/Prehistoric fires</b>
<b>Native species (animals)</b>	Related terms:	<b>Introduced species/ Invasive species/ Restoration</b>
<b>Native species (plants)</b>	Related terms:	<b>Introduced species/ Invasive species/ Restoration</b>
[Natural areas]	Instead, use:	<b>Natural areas management/ Wilderness areas</b>
<b>Natural areas management</b>	Use instead of:	[Preservation]
	Related terms:	<b>Conservation/ Land use planning/Native species (animals)/ Native species (plants)/ Restoration / Wilderness areas</b>
[Natural disturbance]	Instead, use:	<b>Disturbance</b>
[Natural fires]	Instead, use:	<b>Disturbance/ Lightning caused fires/ Prescribed fires (chance ignition)/ Wildfires</b>
[Natural histories]	Instead, use:	<b>Histories</b>
[Natural regeneration]	Instead, use:	<b>Regeneration</b>
<b>Natural resource legislation</b>	Broader terms:	<b>Legislation</b>
	Narrower terms:	<b>CRP (Conservation Reserve Program)/ FIA (Forest Inventory and Analysis)</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

THESAURUS

	Related terms:	Air quality/ Burning permits/ Forest management/ HCP (Habitat Conservation Plan)/ Prescribed fires/ Regulations/ Threatened species (animals)/ Threatened species (plants)/ Wildlife habitat management
[Natural suppression]	Instead, use:	<b>Suppression</b>
[Nature preserves]	Instead, use:	<b>Wildlife refuges</b>
[Nature reserves]	Instead, use:	<b>Wildlife refuges</b>
[Naval stores]	Instead, use:	<b>Turpentine</b>
<b>Needles</b>	Broader terms:	<b>Fine fuels/ Foliage</b>
	Related terms:	<b>Leaves/ Litter</b>
[Needle scorch]	Instead, use:	<b>Crown scorch/ Fire injuries (plants)/ Scorch</b>
<b>Nesting</b>		
<b>Nesting cover</b>	Broader terms:	<b>Cover/ Ground cover</b>
	Related terms:	<b>Cover type conversion/ Escape cover</b>
[Nesting sites]	Instead, use:	<b>Nesting cover</b>
[News media]	Instead, use:	<b>Public information</b>
[*Niches]	Instead, use:	<b>Ecological niches</b>
<b>*Nitrogen</b>	Broader terms:	<b>Chemical elements</b>
<b>*Nitrogen fixation</b>	Related terms:	<b>Nutrient cycling</b>
<b>Nongame birds</b>	Use instead of:	[Passerine birds, Songbirds]
	Broader terms:	<b>Birds/ Wildlife</b>
	Related terms:	<b>Cavity nesting birds/ Game birds/ Raptors/ Waterfowl</b>
[Nonwetable soils]	Instead, use:	<b>Water repellent soils</b>
<b>Nuclear winter</b>		
<b>Nutrient cycling</b>	Related terms:	<b>Biogeochemical cycles/ Ecosystem dynamics/ Fire ecology/ Nitrogen fixation/ Nutrients/ Soil nutrients</b>
<b>*Nutrients</b>	Narrower terms:	<b>Soil nutrients</b>
	Related terms:	<b>Biogeochemical cycles/ Chemical elements/ Minerals/ Nutrient cycling/ Plant nutrients/ Plant nutrition</b>
<b>*Nutrition</b>	Narrower terms:	<b>Plant nutrition/ Wildlife nutrition</b>

**O**

[Oak savannas]	Instead, use:	<b>Savannas along with Quercus</b>
<b>Old fields</b>	Related terms:	<b>Agriculture/ Croplands</b>
<b>Old growth forests</b>	<b>Scope note:</b>	A mature or overmature forest more or less uninfluenced by human activity

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

THESAURUS

	Use instead of:	[Disjunct populations, Mature forests, Primary forests, Relict forests, Remnant forests, Virgin forests]
	Broader terms:	<b>Forest types</b>
	Related terms:	<b>Age classes/ Old growth vegetation/ Second growth forests/ Succession</b>
<b>Old growth vegetation</b>	Related terms:	<b>Old growth forests</b>
<b>Openings</b>	Related terms:	<b>Wildlife openings</b>
<b>Orchids</b>		
<b>Organic matter</b>	Narrower terms:	<b>Duff/ Humus/ Litter</b>
	Related terms:	<b>Organic soils/ Soils/Soil organic matter</b>
<b>*Organic soils</b>	Use instead of:	[Humus soils]
	Broader terms:	<b>Soils</b>
	Related terms:	<b>Mineral soils/ Organic matter/ Peat fires/ Pocosins/ Soil organic matter</b>
<b>Overstory</b>	Use instead of:	[Canopy]
	Related terms:	<b>Crowns</b>
<b>Oxygen</b>	Broader terms:	<b>Gases</b>
<b>Ozone</b>	Broader terms:	<b>Gases</b>

**P**

PAH	Instead, use:	<b>Hydrocarbons</b>
<b>Paleobotany</b>	<b>Scope note:</b>	Study of fossil plants
<b>Paleoclimatology</b>	<b>Scope note:</b>	Study of the climate of past ages
<b>Paleoecology</b>	<b>Scope note:</b>	Identification and interpretation of the relation of ancient plants and animals to their environment
<b>Paleontology</b>	<b>Scope note:</b>	Study of plant and animal life of past geological periods based on the study of fossil remains to give information about phylogeny and relationships of modern animals and plants and the history of the earth
	Narrower terms:	<b>Fossils</b>
	Related terms:	<b>Fire histories/ Prehistoric fires</b>
<b>Palms</b>	Broader terms:	<b>Trees</b>
Palynology	Instead, use:	<b>Pollen</b>
<b>Parasites</b>	Narrower terms:	<b>Parasitic plants</b>
<b>Parasitic plants</b>	Broader terms:	<b>Parasites</b>
<b>Partial cutting</b>	Use instead of:	[Selective logging, Uneven-aged management]
	Related terms:	<b>Clearcutting/ Logging/ Shelterwood/ Thinning</b>
<b>*Particulates</b>	Narrower terms:	<b>Dust/ Soot</b>
	Related terms:	<b>Air quality/ Ash/ Smoke</b>

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

[Passerine birds]	Instead, use:	<b>Nongame birds</b>
[Pastures]	Instead, use:	<b>Grasslands/ Rangelands</b>
[Patch dynamics]	Instead, use:	<b>Forest fragmentation/ Fragmentation</b>
[Patchy burning]	Instead, use:	<b>Mosaic</b>
<b>Peat</b>		
<b>Peat bogs</b>	Broader terms:	<b>Bogs</b>
<b>Peat fires</b>	Use instead of:	[Subsurface fires]
	Related terms:	<b>Ground fires/ Organic soils/ Spontaneous combustion</b>
[Peat islands]	Instead, use:	<b>Peatlands</b>
<b>Peatlands</b>	Broader terms:	<b>Habitat types</b>
[Percolation]	Instead, use:	<b>Soil permeability</b>
<b>Perennial plants</b>	Related terms:	<b>Annual plants</b>
[Permafrost]	Instead, use:	<b>Tundra</b> along with <b>Soil temperature</b>
[Permitting]	Instead, use:	<b>Burning permits/ Natural resource legislation/ Prescribed fires/ Regulations</b>
<b>Pest control</b>	Related terms:	<b>Weed control</b>
<b>Pesticides</b>	Broader terms:	<b>Chemistry</b>
	Narrower terms:	<b>Herbicides/ Insecticides</b>
	Related terms:	<b>Chemicals</b>
<b>pH</b>	Use instead of:	[Acidity, Alkalinity]
<b>Phenology</b>	<b>Scope note:</b>	Appearance of characteristic phenomena in the life cycle of organisms in nature, e.g., migration in birds, flowering and leaf fall in plants, particularly as these are influenced by locality factors
	Broader terms:	<b>Plant physiology</b>
	Related terms:	<b>Climatology/ Flowering/ Reproduction/ Seasonal activities/ Season of fire/ Serotiny</b>
<b>Phosphate</b>		
<b>Phosphorus</b>	Broader terms:	<b>Chemical elements</b>
<b>Photography</b>	Use instead of:	[Photo interpretation, Repeat photography]
	Broader terms:	<b>Remote sensing</b>
[Photo interpretation]	Instead, use:	<b>Photography</b>
<b>*Photosynthesis</b>	Broader terms:	<b>Plant physiology</b>
	Related terms:	<b>Light</b>
<b>*Physics</b>		
<b>Physiology</b>	Narrower terms:	<b>Plant physiology</b>
[Phytosociology]	Instead, use:	<b>Plant communities</b>
<b>Piedmont</b>	Broader terms:	<b>Habitat types</b>
[Piling]	Instead, use:	<b>Site treatments</b>
<b>Pine barrens</b>	Broader terms:	<b>Habitat types</b>
[Pine bays]	Instead, use:	<b>Swamps</b> along with <b>Pine forests</b>

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

[Pinecones]	Instead, use:	<b>Cones</b>
[Pine flatwoods]	Instead, use:	<b>Flatwoods/ Pine forests</b>
<b>Pine forests</b>	Broader terms:	<b>Forest types</b>
	Related terms:	<b>Coniferous forests/ Flatwoods/ Sandhills/ Scrub</b>
<b>Pine hardwood forests</b>	Broader terms:	<b>Forest types</b>
	Related terms:	<b>Hardwood forests</b>
[Pinelands]	Instead, use:	<b>Pine forests</b>
[Pine palmetto flatwoods]	Instead, use:	<b>Flatwoods</b>
[Pine rocklands]	Instead, use:	<b>Pine forests</b>
<b>Pines</b>	Related terms:	<b>Conifers</b>
[Pine savannas]	Instead, use:	<b>Flatwoods/ Sandhills</b>
<b>Pioneer species</b>	<b>Scope note:</b>	Plant capable of invading bare sites (e.g., newly exposed soil surface) and persisting there until supplanted by successional species
	Use instead of:	[Colonizers, Fire following plants]
	Related terms:	<b>Invasive species/ Plant growth/ Succession</b>
[Planning]	Instead, use:	<b>Fire management planning/ Land use planning</b>
[Plant associations]	Instead, use:	<b>Habitat types</b>
<b>Plant communities</b>	Use instead of:	[Phytosociology]
[Plant development]	Instead, use:	<b>Plant growth</b>
<b>Plant diseases</b>	Broader terms:	<b>Diseases</b>
	Related terms:	<b>Fungi</b>
[Plant distribution]	Instead, use:	<b>Distribution</b>
<b>Plant dormancy</b>	Use instead of:	[Dormancy]
	Related terms:	<b>Seed dormancy/ Tree dormancy</b>
<b>*Plant ecology</b>	Broader terms:	<b>Ecology</b>
	Related terms:	<b>Biogeography/ Distribution</b>
[Plant geography]	Instead, use:	<b>Biogeography</b>
<b>Plant growth</b>	Use instead of:	[Plant development, Recruitment, Seedling establishment, Survivorship, Tree growth]
	Related terms:	<b>Pioneer species/ Plant nutrients/ Plant nutrition/ Sprouting</b>
<b>Plant nutrients</b>	<b>Scope note:</b>	Nutrients contained in plants
	Broader terms:	<b>Nutrients</b>
	Related terms:	<b>Plant growth/ Soil nutrients</b>
<b>Plant nutrition</b>	<b>Scope note:</b>	Nutrition provided by soil to plants
	Broader terms:	<b>Nutrition</b>
	Related terms:	<b>Nutrients/ Plant growth/ Soil nutrients</b>
<b>Plant physiology</b>	Broader terms:	<b>Physiology</b>

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

	Narrower terms:	<b>Flowering/ Phenology/ Photosynthesis/ Plant dormancy/ Seed dormancy/ Seed germination/ Tree dormancy</b>
[Plant production]	Instead, use:	<b>Plant growth</b> along with <b>Biomass</b>
[Plant succession]	Instead, use:	<b>Succession</b>
[Plant water use]	Instead, use:	<b>Transpiration</b>
<b>Plantations</b>	Related terms:	<b>Agriculture/ Hunting</b>
[Planting]	Instead, use:	<b>Artificial regeneration</b>
<b>Plants</b>	Instead, use:	<b>Annual plants/ Carnivorous plants/ Coastal vegetation/ Composites/ Conifers/ Deciduous plants/ Ferns/ Forbs/ Grasses/ Grasslike plants/ Ground cover/ Hardwoods/ Herbaceous vegetation/ Legumes/ Lichens/ Mosses/ Native species (plants)/ Palms/ Parasitic plants/ Perennial plants/ Pines/ Sclerophyll vegetation/ Shrubs/ Succulents/ Threatened and endangered species (plants)/ Trees/ Vines/ Vulnerable species or communities/ Weeds/ Wildflowers/ Wildlife food plants</b>
	Related terms:	<b>Bark/ Buds/ Flowering/ Foliage/ Species diversity (plants)</b>
<b>Plowing</b>	Related terms:	<b>Tillage</b>
<b>Pocosins</b>	Use instead of:	[Shrub bogs]
	Broader terms:	<b>Habitat types</b>
	Related terms:	<b>Bogs/ Organic soils</b>
<b>*Pollen</b>		
<b>Pollination</b>	Related terms:	<b>Fertilization</b>
<b>Pollution</b>	Narrower terms:	<b>Air quality</b>
<b>Ponds</b>	Broader terms:	<b>Habitat types</b>
<b>Population density</b>	<b>Scope note:</b>	Number of individuals of a species(plant or animal) in a given area
	Use instead of:	[Abundance, Density, Species density]
	Broader terms:	<b>Population ecology</b>
[Population diversity]	Instead, use:	<b>Species diversity (animals)/ Species diversity (plants)</b>
[Population dynamics]	Instead, use:	<b>Population ecology</b>
<b>Population ecology</b>	Use instead of:	[Autecology, Population dynamics]
	Narrower terms:	<b>Population density</b>
	Related terms:	<b>Threatened and endangered species (animals)/ Threatened and endangered species (plants)</b>
<b>Post fire recovery</b>	Related terms:	<b>Regeneration/ Succession</b>

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

[Post fire succession]	Instead, use:	<b>Post fire recovery</b> along with <b>Succession</b>
<b>Potash</b>	Related terms:	<b>Fertilizers</b>
<b>Potassium</b>	Broader terms:	<b>Chemical elements</b>
[Powerline corridors]	Instead, use:	<b>Forest fragmentation</b>
[Prairie litter]	Instead, use:	<b>Litter</b>
<b>Prairies</b>	<b>Scope note:</b>	Extensive tract of rolling or level land that was originally treeless and grass-covered
	Use instead of:	[Dry prairies, Mixed prairies, Short grass prairies, Wet prairies]
	Broader terms:	<b>Habitat types</b>
	Narrower terms:	<b>Tallgrass prairies</b>
	Related terms:	<b>Grasslands/ Herbaceous vegetation/ Rangelands/ Savannas</b>
<b>Precipitation</b>	Use instead of:	[Rain]
	Related terms:	<b>Climatology/ Droughts/ Fire weather/ Runoff/ Storms/ Watersheds</b>
<b>Predation</b>	Use instead of:	[Depredation]
<b>Predators</b>		
<b>Prehistoric fires</b>	Use instead of:	[Ancient fires]
	Related terms:	<b>Aborigine/ Anthropology/ Fire histories/ Paleoecology/ Paleontology</b>
[Prescribed burning, Prescribed burns]	Instead, use:	<b>Prescribed fires</b>
<b>Prescribed fires</b>	Use instead of:	[Burning, Controlled burning, Management fires, Prescribed burning]
	Narrower terms:	<b>Prescribed fires (chance ignition)</b>
	Related terms:	<b>Backfires/ Broadcast burning/ Burning permits/ Cover type conversion/ Cropland fires/ Fire hazard reduction/ Fire management/ Fire regimes/ Fire weather/ Firing techniques/ Flank fires/ Foam/ Headfires/ Light burning/ Low intensity burns/ Site treatments/ Slash/ Wilderness fire management/ Wildfires/ Wildlife habitat management</b>
<b>Prescribed fires (chance ignition)</b>	Use instead of:	[Benign wildfires, Let burn, Natural fires, Prescribed natural fires]
	Broader terms:	<b>Prescribed fires</b>
	Related terms:	<b>Lightning caused fires/ Human caused fires</b>
<b>Prescribed fires (escaped)</b>		
[Prescribed natural fire]	Instead, use:	<b>Prescribed fires (chance ignition)</b>
[Preservation]	Instead, use:	<b>Natural areas management</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
**THESAURUS**

[Preserves]	Instead, use:	<b>Wildlife refuges</b>
<b>Presettlement fires</b>	Related terms:	<b>European settlement/ Lightning caused fires/ Human caused fires/ Native Americans</b>
<b>Presettlement vegetation</b>	<b>Scope note:</b>	Vegetation patterns existing before European settlement
[Primary cavity nesters]	Instead, use:	<b>Cavity nesting birds</b>
[Primary forests]	Instead, use:	<b>Old growth forests</b>
[Primeval fires]	Instead, use:	<b>Prehistoric fires</b>
<b>Private lands</b>	Related terms:	<b>Military lands</b>
[Production]	Instead, use:	<b>Plant growth along with Biomass</b>
[Propagation]	Instead, use:	<b>Reproduction</b>
<b>Protein</b>		
<b>Public information</b>	Use instead of:	[Media, News media]
	Related terms:	<b>Education/ Fire prevention/ Juvenile literature</b>
[Pyric succession]	Instead, use:	<b>Succession</b>

## Q

*No terms*

## R

<b>*Radiation</b>	Related terms:	<b>Heat</b>
<b>Radiocarbon dating</b>		
[Radiotagged]	Instead, use:	<b>Telemetry</b>
[Radiotelemetry]	Instead, use:	<b>Telemetry</b>
[*Rain]	Instead, use:	<b>Precipitation</b>
<b>Rain forests</b>	Broader terms:	<b>Forest types</b>
	Related terms:	<b>Tropical forests</b>
[Range fuels]	Instead, use:	<b>Grass fuels</b>
<b>Range management</b>	Related terms:	<b>Fire management/ Forest management/ Grasslands/ Grazing/ Livestock/ Rangeland fires/ Rangelands/ Wildlife habitat management</b>
<b>Rangeland fires</b>	Broader terms:	<b>Wildfires</b>
	Related terms:	<b>Agriculture/ Grass fires/ Grasses</b>
<b>Rangelands</b>	Broader terms:	<b>Habitat types</b>
	Related terms:	<b>Agriculture/ Grasslands/ Prairies/ Range management</b>
<b>Raptors</b>	Broader terms:	<b>Birds</b>
	Related terms:	<b>Nongame birds</b>
<b>*Rate of spread</b>	Use instead of:	[Fire rate of spread, Fire spread]

## E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

## THESAURUS

	Related terms:	<b>Fire behavior/ Fire growth/ Fire models/ Fuel models/ Fuel types</b>
[Raw humus]	Instead, use:	<b>Humus</b>
[Reclamation]	Instead, use:	<b>Forestation</b>
[Recovery]	Instead, use:	<b>Post fire recovery/ Regeneration</b>
<b>Recreation</b>	Related terms:	<b>Forest management</b>
<b>Recreation related fires</b>	Related terms:	<b>Human caused fires</b>
[Recruitment]	Instead, use:	<b>Plant growth/ Regeneration</b>
<b>Reforestation</b>	<b>Scope note:</b>	Prefer <b>Forestation/ Regeneration</b>
Refuges	Instead, use:	<b>Wildlife refuges</b>
<b>Regeneration</b>	Use instead of:	[Natural regeneration, Recovery, Regrowth, Revegetation]
	Related terms:	<b>Artificial regeneration/ Fire effects/ Forestation/ Post fire recovery/ Reproduction/ Resprouting/ Second growth forests/ Shelterwood</b>
[Regrowth]	Instead, use:	<b>Regeneration</b>
<b>Regulations</b>	Broader terms:	<b>Burning permits/ Fire behavior/ Fire injuries (human)/ Fire weather/ Legislation/ Liability/ Natural resource legislation/ Safety</b>
	Related terms:	<b>Air quality/ Prescribed fires</b>
[Release]	Instead, use:	<b>Plant growth</b> along with <b>Competition</b>
<b>Relict vegetation</b>	<b>Scope note:</b>	Belonging to an earlier epoch than the other members of the biopopulation in the area in which the relict occurs
	Use instead of:	[Disjunct populations]
	Related terms:	<b>Biogeography/ Distribution</b>
Relocation	Instead, use:	<b>Translocation</b>
[Remnant forests, Remnant vegetation]	Instead, use:	<b>Forest fragmentation/ Fragmentation/ Old growth forests/ Old growth vegetation</b>
<b>Remote sensing</b>	Use instead of:	[Landsat, Satellite imagery]
	Narrower terms:	<b>Photography</b>
[Repeat photography]	Instead, use:	<b>Photography</b>
<b>*Reproduction</b>	Use instead of:	[Propagation]
	Broader terms:	<b>Plant physiology</b>
	Related terms:	<b>Fertility/ Flowering/ Phenology/ Regeneration/ Seed germination/ Sprouting</b>
<b>Reptiles</b>	Broader terms:	<b>Wildlife</b>
[Reserves]	Instead, use:	<b>Wildlife refuges</b>
	Related terms:	<b>Wilderness areas</b>
<b>Residence time</b>	<b>Scope note:</b>	The time it takes a flame zone to pass a stationary point
	Related terms:	<b>Rate of spread</b>
<b>Resins</b>	Use instead of:	[Terpenes]

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

	Related terms:	<b>Extractives/ Turpentine</b>
<b>Resprouting</b>	Use instead of:	[Coppice, Suckering]
	Related terms:	<b>Regeneration</b>
<b>Restoration</b>	<b>Scope note:</b>	Management of ecosystems geared to restoring natural or pre-settlement conditions
	Related terms:	<b>Conservation/ Fire histories/ Fire management/ Natural areas management</b>
[Retardants]	Instead, use:	<b>Fire retardants</b>
[Revegetation]	Instead, use:	<b>Regeneration</b>
[Rhizomes]	Instead, use:	<b>Roots</b>
[Right-of-way]	Instead, use:	<b>Firebreaks/ Roads</b>
<b>Riparian habitats</b>	Use instead of:	[Gallery forests]
	Broader terms:	<b>Habitat types</b>
	Related terms:	<b>Marshlands/ Streams/ Wetlands/ Wildlife habitat management</b>
<b>Rivers</b>		
<b>Roads</b>	Use instead of:	[Forest roads]
[Rockland hammocks]	Instead, use:	<b>Hardwood hammocks/ Tropical hardwood hammocks</b>
<b>Rocky habitats</b>		
[Rodents]	Instead, use:	<b>Small mammals</b>
<b>*Roots</b>	Use instead of:	[Bulbs, Corms, Rhizomes, Tubers, Underground plant organs]
	Related terms:	<b>Wildlife food plants</b>
[Rough]	Instead, use:	<b>Understory vegetation</b>
<b>Runoff</b>	Related terms:	<b>Drainage/ Erosion/ Hydrology/ Precipitation/ Watersheds</b>
<b>Rural communities</b>	Related terms:	<b>Agriculture/ Urban wildland fire interface</b>
[Rushes]	Instead, use:	<b>Grasslike plants</b>

**S**

<b>Safe harbor</b>	Related terms:	<b>Natural resource legislation/ Regulations</b>
<b>Safety</b>	Related terms:	<b>Burning permits/ Fire behavior/ Fire injuries (humans)/ Health factors/ Liability/ Regulations/ Firefighting personnel</b>
<b>Salt marshes</b>	Broader terms:	<b>Habitat types/ Marshes/ Wetlands</b>
<b>Salvage</b>	Use instead of:	[Timber salvage]
<b>Sampling</b>	Related terms:	<b>Models/ Statistical analysis</b>
[Sanctuaries]	Instead, use:	<b>Wildlife refuges</b>
<b>Sand dunes</b>	Broader terms:	<b>Habitat types</b>

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

<b>Sandhills</b>	Broader terms:	<b>Habitat types</b>
[Santa Ana winds]	Instead, use:	<b>Foehn winds</b>
[Saplings]	Instead, use:	<b>Seedlings</b>
[Satellite imagery]	Instead, use:	<b>Remote sensing</b>
<b>Savannas</b>	<b>Scope note:</b>	Lowland, tropical and subtropical grassland, generally with a scattering of trees or shrubs
	Broader terms:	<b>Habitat types</b>
	Related terms:	<b>Bogs/ Grasslands/ Herbaceous vegetation/ Prairies</b>
[Scarification]	Instead, use:	<b>Site treatments</b>
<b>Sclerophyll forests</b>	<b>Scope note:</b>	Forests characterized by species having leathery, generally small leaves and developed in climates with cold winters and hot, dry seasons
	Broader terms:	<b>Forest types</b>
<b>Sclerophyll vegetation</b>		
<b>Scorch</b>	Related terms:	<b>Crown scorch</b>
<b>Scrub</b>	<b>Scope note:</b>	Xeric vegetative association consisting of thickets of shrubs possessing persistent evergreen leaves. Pines may form the overstory
	Broader terms:	<b>Habitat types</b>
	Related terms:	<b>Brush/ Chaparral/ Shrubs</b>
[Scrub flatwoods]	Instead, use:	<b>Flatwoods</b>
[Scrub oak communities]	Instead, use:	<b>Scrub along with Quercus</b>
[Sea islands]	Instead, use:	<b>Barrier islands</b>
<b>Season of fire</b>	Use instead of:	[Cool season burning, Dormant season burning, Fall burning, Growing season burning, Spring burning, Summer burning, Warm season burning, Winter burning]
	Related terms:	<b>Fire effects/ Fire regimes/ Fire weather</b>
<b>Seasonal activities</b>	Broader terms:	<b>Habits and behavior</b>
	Related terms:	<b>Phenology</b>
[Secondary cavity nesters]	Instead, use:	<b>Cavity nesting birds</b>
<b>Second growth forests</b>	<b>Scope note:</b>	Forest growth that has come up naturally after some drastic interference (e.g., serious fire, clear-cutting, insect attack)
	Broader terms:	<b>Forest types</b>
	Related terms:	<b>Old growth forests/ Regeneration/ Succession</b>
[Sedges]	Instead, use:	<b>Grasslike plants</b>
<b>Sedimentation</b>	Use instead of:	[Detritus]
	Related terms:	<b>Erosion/ Streams</b>

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

[Seed banks]	Instead, use:	<b>Seed dormancy/ Seeds</b>
[Seed crops]	Instead, use:	<b>Seed production</b>
<b>*Seed dispersal</b>	Use instead of:	[Dispersal]
<b>Seed dormancy</b>	Use instead of:	[Dormancy, Seed storage]
	Related terms:	<b>Plant dormancy/ Tree dormancy</b>
[Seed emergence]	Instead, use:	<b>Plant growth</b> along with <b>Seedlings</b>
<b>Seed germination</b>	Broader terms:	<b>Germination/ Plant physiology</b>
	Related terms:	<b>Plant growth/ Reproduction/ Seeds</b>
[Seed predators]	Instead, use:	<b>Seeds</b> along with scientific name or a narrower term from list at <b>Wildlife</b>
<b>*Seed production</b>	Use instead of:	[Seed crops, Seedfall]
[Seed storage]	Instead, use:	<b>Seed dormancy</b>
[Seed trees]	Instead, use:	<b>Shelterwood</b>
[Seedbed preparation]	Instead, use:	<b>Site treatments</b>
[Seeders]	Instead, use:	<b>Seeds</b> along with <b>Regeneration</b>
[Seedfall]	Instead, use:	<b>Seed production</b>
[Seeding]	Instead, use:	<b>Artificial regeneration</b>
[Seedling establishment]	instead, use:	<b>Plant growth</b> along with <b>Seedlings</b>
<b>Seedlings</b>	Use instead of:	[Juveniles, Saplings, Shoots, Sprouts]
<b>*Seeds</b>	Narrower terms:	<b>Cones</b>
	Related terms:	<b>Seed germination, Seed production</b>
[Seepage bogs]	Instead, use:	<b>Bogs</b>
[Selective logging]	Instead, use:	<b>Partial cutting</b>
	Related term:	<b>Shelterwood</b>
<b>*Senescence</b>	Use instead of:	[Aging, Decadent]
[Seral stages]	Instead, use:	<b>Succession</b>
<b>Serotiny</b>	<b>Scope note:</b>	Coming late, particularly plant species or individuals that flower or fruit late in the season, or fruit or cones that remain on the tree without opening for 1 or more years
	Related terms:	<b>Fire adaptations/ Phenology</b>
[Severe fires]	Instead, use:	<b>Catastrophic fires/ Crown fires/ Fire intensity</b>
<b>Shelterwood</b>	<b>Scope note:</b>	Any regeneration cutting in a more or less regular and mature crop, designed to establish a new crop under the old
	Use instead of:	[Seed trees]
	Related terms:	<b>Partial cutting</b>
[Shoot growth]	Instead, use:	<b>Sprouting</b>
[Shoots]	Instead, use:	<b>Seedlings</b>
[Shorebirds]	Instead, use:	<b>Wading birds</b>
[Short grass prairies]	Instead, use:	<b>Prairies</b>
[Shrub bogs]	Instead, use:	<b>Bogs/ Pocosins</b>
<b>Shrub fuels</b>	Broader terms:	<b>Fuel types</b>
	Related terms:	<b>Brush fires/ Shrub fires/ Shrubs</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

THESAURUS

<b>Shrublands</b>	Broader terms:	<b>Habitat types</b>
<b>Shrubs</b>	Broader terms:	<b>Woody plants</b>
	Related terms:	<b>Brush/ Brush fires/ Chaparral/ Heathlands/ Scrub/ Shrub fires/ Shrub fuels/ Sprouting/ Understory vegetation</b>
[Silvicultural management systems]	Instead, use:	<b>Forest management</b>
[Silviculture]	Instead, use:	<b>Forest management</b>
[Site preparation]	Instead, use:	<b>Site treatments</b>
<b>Site treatments</b>	<b>Scope note:</b>	Removal or killing of unwanted vegetation, residue, etc. by use of fire, herbicides, or mechanical treatment in preparation for reforestation or revegetation and future management
	Use instead of:	[Bedding, Chaining, Chopping, Clipping, Disking, Intensive forest management, Mechanical preparation, Piling, Scarification, Site preparation, Windrowing]
	Related terms:	<b>Cutting/ Mowing/ Prescribed fires</b>
<b>Size classes</b>	Related terms:	<b>Age classes/ Diameter classes</b>
<b>*Slash</b>	<b>Scope note:</b>	Unusual concentrations of fuel resulting from natural events (wind/ fire) or human (logging)
	Broader terms:	<b>Fuel types</b>
	Related terms:	<b>Fire hazard reduction/ Logging/ Prescribed fires</b>
<b>Slash and burn</b>	Related terms:	<b>Agriculture</b>
[Slash burning]	Instead, use:	<b>Slash along with Prescribed fires</b>
[Slash disposal]	Instead, use:	<b>Slash along with Site treatments</b>
<b>Sloping terrain</b>	Use instead of:	[Hilly terrain]
	Broader terms:	<b>Topography</b>
	Related terms:	<b>Mountainous terrain</b>
[Small fuels]	Instead, use:	<b>Fine fuels</b>
<b>Small mammals</b>	Use instead of:	[Fur bearers, Rodents]
	Broader terms:	<b>Mammals</b>
[Smog]	Instead, use:	<b>Smoke effects along with Air quality</b>
<b>*Smoke</b>	Related terms:	<b>Aerosols/ Air quality/ Particulates/ Smoke behavior/ Smoke effects/ Smoke management</b>
<b>*Smoke behavior</b>	Related terms:	<b>Smoke/ Smoke effects/ Smoke management</b>
<b>Smoke effects</b>	Related terms:	<b>Fire effects/ Smoke</b>
<b>*Smoke management</b>	Related terms:	<b>Air quality/ Convection/ Smoke</b>
<b>Smokey Bear program</b>	Related terms:	<b>Fire prevention</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

THESAURUS

<b>Snags</b>	<b>Scope note:</b>	A standing dead tree from which the leaves and most of the branches have fallen
	Related terms:	<b>Cavity nesting birds/ Wildlife habitat management</b>
[Snakes]	Instead, use:	<b>Reptiles</b>
<b>Sodium</b>	Broader terms:	<b>Chemical elements</b>
[Soft mast]	Instead, use:	<b>Fruits/ Mast</b>
[Softwoods]	Instead, use:	<b>Conifers</b>
<b>Soil conservation</b>	Related terms:	<b>Agriculture/ CRP (Conservation Reserve Program)/ Erosion control/ Forestation/ Tillage</b>
<b>*Soil erosion</b>	Broader terms:	<b>Erosion</b>
	Related terms:	<b>CRP (Conservation Reserve Program)/ Erosion control/ Fire effects</b>
[*Soil fauna]	Instead, use:	<b>Soil organisms</b>
[*Soil fertility]	Instead, use:	<b>Soil nutrients</b>
[Soil flora]	Instead, use:	<b>Soil organisms</b>
[Soil insects]	Instead, use:	<b>Insects/ Soil organisms</b>
<b>Soil leaching</b>	Use instead of:	[Leaching]
	Related terms:	<b>Soil management</b>
<b>Soil management</b>	Narrower terms:	<b>CRP (Conservation Reserve Program)/ Fallowing/ Tillage</b>
	Related terms:	<b>Forest management/ Soil leaching</b>
<b>*Soil moisture</b>	Broader terms:	<b>Moisture</b>
	Related terms:	<b>Fallowing/ Soil organic matter/ Water repellent soils</b>
<b>Soil nutrients</b>	<b>Scope note:</b>	Nutrients contained in soil
	Use instead of:	[Infertility, Low fertility, Soil fertility]
	Broader terms:	<b>Nutrients</b>
	Related terms:	<b>Fertility/ Plant nutrients/ Volatilization</b>
<b>*Soil organic matter</b>	Related terms:	<b>Organic soils</b>
<b>Soil organisms</b>	Use instead of:	[Soil fauna, Soil flora]
	Related terms:	<b>Algae/ Arthropods/ Ashbed effect/ Bacteria/ Bryophytes/ Earthworms/ Fungi/ Insects/ Lichens/ Microorganisms</b>
<b>Soil permeability</b>	Use instead of:	[Percolation]
	Related terms:	<b>Water repellent soils</b>
[Soil properties]	Instead, use:	<b>Soils</b>
<b>*Soil temperature</b>	Broader terms:	<b>Temperature</b>
[Soil wettability]	Instead, use:	<b>Soil moisture/ Water repellent soils</b>
<b>Soils</b>	Use instead of:	[Forest soils, Forest floor, Soil properties, Top soil]

## E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

## THESAURUS

	Narrower terms:	Humus/ Mesic soils/ Mineral soils/ Organic soils/ Water repellent soils/ Xeric soils
	Related terms:	pH
[Songbirds]	Instead, use:	Nongame birds
[Southern Oscillation]	Instead, use:	El Nino
<b>Soot</b>	Broader terms:	Particulates
	Related terms:	Air quality
[Species abundance]	Instead, use:	Species diversity (animals)/Species diversity (plants)
[Species composition]	Instead, use:	Distribution/ Species diversity (animals)/ Species diversity (plants)/ Stand characteristics
[Species density]	Instead, use:	Population density
<b>Species diversity</b>	<b>Scope note:</b>	Number of species present in a given area
	Use instead of:	[Biotic diversity]
	Narrower terms:	Species diversity (animals)/ Species diversity (plants)/ Stand characteristics/ Vegetation surveys
<b>*Species diversity (animals)</b>	Broader terms:	Community ecology/ Species diversity
	Related terms:	Cover type conversion/ Island ecology/ Population ecology/ Succession
<b>*Species diversity (plants)</b>	Broader terms:	Community ecology/ Species diversity
	Related terms:	Cover type conversion/ Island ecology/ Population ecology/ Stand characteristics/ Succession
[Species richness]	Instead, use:	Species diversity
[Spiders]	Instead, use:	Arachnids
<b>*Spontaneous combustion</b>	Broader terms:	Combustion
	Related terms:	Flammability/ Peat fires
<b>Spot fires</b>	<b>Scope note:</b>	Fire set outside the perimeter of the main fire by flying sparks or embers
	Use instead of:	[Escape fires]
	Broader terms:	Fire behavior
	Related terms:	Firebrands/ Fire whirls
[Spring burning]	Instead, use:	Season of fire
<b>*Sprouting</b>	Use instead of:	[Basal sprouting, Coppice, Shoot growth]
	Related terms:	Brush/ Plant growth/ Regeneration/ Reproduction/ Resprouting/ Seedlings/ Shrubs/ Trees
[Sprouts]	Instead, use:	Seedlings
<b>Stand characteristics</b>	<b>Scope note:</b>	Species composition of a forest stand
[Stand conversion]	Instead, use:	Cover type conversion/ Habitat conversion

## E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

## THESAURUS

[Stand replacing fires]	Instead, use:	<b>Catastrophic fires/ Crown fires/ Fire intensity</b>
<b>State forests</b>	Related terms:	<b>National forests/ Wilderness areas</b>
<b>State parks</b>		
<b>Statistical analysis</b>	Related terms:	<b>Models/ Sampling</b>
[*Statistics]	Instead, use:	<b>Statistical analysis</b>
[Stewardship]	Instead, use:	<b>Forest management/ Land management/ Natural areas management/ Restoration</b>
<b>Stoddard-Neel System</b>	<b>Scope note:</b>	Forest management technique developed in Red Hills region for maximum aesthetic, ecological, economic, and, hunting purposes. Utilizes single-tree selection to create multi-aged forest with open midstory and understory. Named for its practioners Herbert Stoddard and Leon Neel.
	Broader terms:	<b>Forest management/ Partial cutting</b>
	Related terms:	<b>Neel, Leon/ Red Hills/ Stoddard, H.L.</b>
<b>Storms</b>	Use instead of:	[Hurricanes, Thunderstorms]
	Related terms:	<b>Climatology/ Fire weather/ Lightning/ Precipitation/ Wind</b>
[Strand vegetation]	Instead, use:	<b>Coastal vegetation</b>
[Straw]	Instead, use:	<b>Needles</b>
<b>*Streamflow</b>	Related terms:	<b>Hydrology/ Precipitation/ Watersheds</b>
<b>Streams</b>	Related terms:	<b>Hydrology/ Riparian habitats/ Rivers/ Sedimentation/ Wetlands</b>
[Stress]	Instead, use:	<b>Disturbance</b>
[Strip firing]	Instead, use:	<b>Firing techniques</b>
<b>Subalpine forests</b>	Broader terms:	<b>Forest types</b>
	Related terms:	<b>Montane forests/ Mountains</b>
[Subsurface fires]	Instead, use:	<b>Peat fires</b>
<b>Succession</b>	<b>Scope note:</b>	The gradual supplanting of one community of plants by another
	Use instead of:	[Plant succession, Pyric succession, Seral stages]
	Related terms:	<b>Climax vegetation/ Fire ecology/ Fire exclusion/ Invasive species/ Old growth forests/ Pioneer species/ Post fire recovery/ Second growth forests/ Species diversity (animals)/ Species diversity (plants)</b>
<b>Succulents</b>	Use instead of:	[Cactus]
[Suckering]	Instead, use:	<b>Resprouting/ Sprouting</b>
<b>Sulfur</b>	Broader terms:	<b>Chemical elements</b>
<b>Sulfur dioxide</b>	Broader terms:	<b>Gases</b>

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

[Summer burning]	Instead, use:	<b>Season of fire</b>
<b>Suppression</b>	<b>Scope note:</b>	The process whereby certain trees, shrubs, etc. in a community become weakened through competition of neighbors or through man's intervention
	Use instead of:	[Artificial suppression, Natural suppression]
	Related terms:	<b>Competition</b>
<b>Surface fires</b>	Related terms:	<b>Ground fires/ Peat fires</b>
<b>Surface fuels</b>	Broader terms:	<b>Fuel types</b>
[Survivorship]	Instead, use:	<b>Plant growth/ Post fire recovery</b>
[Swamp forests]	Instead, use:	<b>Swamps</b>
<b>Swamps</b>	<b>Scope note:</b>	More or less permanently wet, uncultivated tract of land whose soil has a considerable percentage of vegetable matter supporting low vegetation and trees
	Broader terms:	<b>Habitat types</b>
	Related terms:	<b>Bogs/ Marshlands/ Wetlands</b>

**T**

<b>Taiga</b>	Broader terms:	<b>Habitat types</b>
<b>Tall Timbers Research Station</b>		
<b>Tallgrass prairies</b>	Broader terms:	<b>Habitat types/ Prairies</b>
	Related terms:	<b>Grasslands</b>
<b>Taxonomy</b>		
<b>Telemetry</b>	Use instead of:	[Radiotelemetry]
	Related terms:	<b>Wildlife management</b>
<b>Temperate forests</b>	Broader terms:	<b>Forest types</b>
<b>*Temperature</b>	Narrower terms:	<b>Air temperature/ Soil temperature</b>
	Related terms:	<b>Climatology/ Fire weather/ Heat</b>
[Terpenes]	Instead, use:	<b>Resins/ Turpentine</b>
[Thermocouple]	Instead, use:	<b>Fire equipment</b>
<b>Thinning</b>	Use instead of:	[Improvement cutting]
	Related terms:	<b>Healthy Forests Initiative/ Logging/ Partial cutting</b>
<b>Threatened and endangered species (animals)</b>	Broader terms:	<b>Population ecology/ Wildlife habitat management</b>
	Related terms:	<b>HCP (Habitat Conservation Plan)/ Natural resource legislation/ Vulnerable species or communities</b>
<b>Threatened and endangered species (plants)</b>	Broader terms:	<b>Population ecology/ Wildlife habitat management</b>

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

	Related terms:	<b>HCP (Habitat Conservation Plan)/ Natural resource legislation/ Vulnerable species or communities</b>
[Thunderstorms]	Instead, use:	<b>Storms</b>
<b>Tillage</b>	Use instead of:	[Cultivation]
	Broader terms:	<b>Agriculture</b>
	Related terms:	<b>Plowing/ Soil conservation/ Soil management</b>
[Timber harvesting]	Instead, use:	<b>Logging</b>
[Timber management]	Instead, use:	<b>Forest management</b>
[Timber salvage]	Instead, use:	<b>Salvage</b>
[Time since last fire]	Instead, use:	<b>Burning intervals/ Fire frequency</b>
<b>*Topography</b>	<b>Scope note:</b>	Prefer narrower term for geographic features (i.e., <b>Coastal plains, Marshlands, etc.</b> )
	Broader terms:	<b>Fire danger rating</b>
	Related terms:	<b>Elevation/ Sloping terrain</b>
[Top soil]	Instead, use:	<b>Soils</b>
<b>Toxicity</b>	Related terms:	<b>Allelopathy/ Fire effects/ Mortality/ Pollution</b>
[Transition zones]	Instead, use:	<b>Ecotones</b>
<b>Translocation</b>	<b>Scope note:</b>	1. Moving a bird, animal, or plant from one location to another to preserve or augment populations threatened by development or disturbances. 2. The long-distance transport of water, minerals, and organic compounds, including plant-growth regulators within plants.
	Related terms:	<b>Safe Harbor/ Threatened and endangered species (animals)/ Threatened and endangered species(plants)</b>
<b>Transpiration</b>	<b>Scope note:</b>	The process by which water vapor passes from the foliage or other parts of a living plant to the atmosphere
	Use instead of:	[Plant water use]
	Related terms:	<b>Evapotranspiration</b>
<b>Trapping</b>	Related terms:	<b>Hunting/ Wildlife habitat management</b>
[Tree census]	Instead, use:	<b>Stand characteristics/ Vegetation surveys</b>
[Tree crowns]	Instead, use:	<b>Crowns</b>
<b>Tree dormancy</b>	Use instead of:	[Dormancy]
	Related terms:	<b>Plant dormancy/ Seed dormancy</b>
[Tree growth]	Instead, use:	<b>Plant growth</b>

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

[Tree harvesting]	Instead, use:	<b>Logging</b>
[Tree ring analysis]	Instead, use:	<b>Dendrochronology</b>
	Related terms:	<b>Fire scar analysis</b>
<b>Trees</b>	<b>Scope note:</b>	Prefer narrower term
	Broader terms:	<b>Forest types/ Woody plants</b>
	Narrower terms:	<b>Bark/ Bottomland hardwoods/ Brush/ Cavity trees/ Conifers/ Hardwoods/ Palms/ Pines/ Seedlings</b>
	Related terms:	<b>Sprouting</b>
<b>*Tropical forests</b>	Broader terms:	<b>Forest types</b>
	Related terms:	<b>Rain forests</b>
<b>Tropical hardwood hammocks</b>	Use instead of:	[Rockland hammocks]
	Broader terms:	<b>Habitat types/ Hammocks</b>
	Related terms:	<b>Hardwood hammocks</b>
[Tubers]	Instead, use:	<b>Roots</b>
<b>Tundra</b>	Broader terms:	<b>Habitat types</b>
	Related terms:	<b>Boreal forests/ Grasslands</b>
<b>Turpentine</b>	Use instead of:	[Naval stores]
	Related terms:	<b>Resins</b>

## U

<b>U. S. Forest Service</b>		
[Unburned areas]	Instead, use:	<b>Fire exclusion</b>
[Underground plant organs]	Instead, use:	<b>Roots</b>
[Undergrowth]	Instead, use:	<b>Understory vegetation</b>
[Understory hardwoods]	Instead, use:	<b>Hardwoods</b>
<b>Understory vegetation</b>	<b>Scope note:</b>	Any plants (herbaceous cover, shrubs and lower trees) growing under a forest canopy
	Use instead of:	[Rough, Undergrowth]
	Related terms:	<b>Forbs/ Grasses/ Ground cover/ Herbaceous vegetation/ Shrubs</b>
[Uneven-aged management]	Instead, use:	<b>Partial cutting</b>
[Upland game birds]	Instead, use:	<b>Game birds</b>
[Upland hardwood hammocks]	Instead, use:	<b>Hardwood hammocks</b>
[Upland hardwoods]	Instead, use:	<b>Hardwood forests</b>
<b>Urban habitats</b>	Broader terms:	<b>Habitat types</b>
<b>Urban wildland fire interface</b>	Related terms:	<b>Rural communities/ Wildfires</b>

## V

## THESAURUS

<b>Vascular plants</b>	<b>Scope note:</b>	Prefer narrower term, i.e., <b>Annual plants/ Conifers/ Forbs/ Grasses/ Grasslike plants/ Hardwoods/ Herbaceous vegetation/ Palms/ Perennial plants/ Shrubs/ Understory vegetation/ Vines/ Woody plants</b>
[Vegetation control]	Instead, use:	<b>Weed control</b>
[Vegetation maps]	Instead, use:	<b>Vegetation surveys</b> along with <b>Maps</b>
[Vegetation patterns]	Instead, use:	<b>Biogeography</b>
<b>Vegetation surveys</b>	Use instead of:	[Forest surveys, Tree census]
	Narrower terms:	<b>Stand characteristics</b>
[Vegetation types]	Instead, use:	<b>Forest types/ Habitat types</b>
[Vegetative cover]	Instead, use:	<b>Ground cover</b>
[Vertebrates]	Instead, use:	<b>Wildlife</b>
<b>Vines</b>		
[Virgin forests]	Instead, use:	<b>Old growth forests</b>
<b>Volatilization</b>	<b>Scope note:</b>	Evaporation or vaporization of organic materials
	Related terms:	<b>Soil nutrients</b>
<b>Volcanoes</b>		
<b>Vortices</b>	Related terms:	<b>Fire whirls</b>
<b>Vulnerable species</b> <b>or communities</b>	<b>Scope note:</b>	Decreasing population due to over exploitation or extensive destruction of habitat by encroaching human development
	Broader terms:	<b>Wildlife</b>
	Related terms:	<b>Forest fragmentation/ Threatened and endangered species (animals)/ Threatened and endangered species (plants)</b>

## W

<b>Wading birds</b>	Use instead of:	[Shorebirds]
	Broader terms:	<b>Birds</b>
[Warm season burning]	Instead, use:	<b>Season of fire</b>
<b>Water</b>		
<b>Water quality</b>		
<b>Water repellent soils</b>	Use instead of:	[Hydrophobic soils, Nonwetttable soils, Soil wettability]
	Broader terms:	<b>Soils</b>
	Related terms:	<b>Fire effects/ Soil moisture/ Soil permeability</b>
<b>Water uptake</b>		
<b>Waterfowl</b>	Broader terms:	<b>Birds</b>
	Related terms:	<b>Game birds/ Nongame birds</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
**THESAURUS**

<b>Watershed management</b>	Related terms:	<b>Erosion control/ Forest management/ Hydrology/ Watersheds</b>
<b>Watersheds</b>	Related terms:	<b>Erosion/ Hydrology/ Precipitation/ Rivers/ Runoff/ Streamflow</b>
[Weather]	Instead, use:	<b>Fire weather</b> for works dealing with weather as it relates to fire, for more general works on weather or meteorology, <b>Microclimate</b> for the climate of small areas
<b>Weather observations</b>		
<b>Weed control</b>	Use instead of:	[Vegetation control]
	Related terms:	<b>Pest control</b>
<b>Weeds</b>		
<b>Wetlands</b>	Use instead of:	[Wet prairies]
	Broader terms:	<b>Habitat types</b>
	Related terms:	<b>Bogs/ Grasslands/ Marshlands/ Riparian habitats/ Salt marshes/ Streams/ Swamps</b>
[Wet prairies]	Instead, use:	<b>Prairies/ Wetlands</b>
[*Whirlwind]	Instead, use:	<b>Fire whirls</b>
<b>Wilderness areas</b>	<b>Scope note:</b>	Any tract uncultivated (other than fallow) and uninhabited by human beings
	Use instead of:	[Natural areas, Wildlands]
	Related terms:	<b>National forests/ National parks/ State forests/ State parks/ Wildlife refuges</b>
<b>Wilderness fire management</b>	Use instead of:	[Wildland fire management]
	Broader terms:	<b>Fire management</b>
	Related terms:	<b>Prescribed fires/ Prescribed fires (chance ignition)</b>
<b>*Wildfires</b>	<b>Scope note:</b>	Use for works dealing with any fire occurring on wildland except a fire under prescription
	Use instead of:	[Bush fires, Forest fires, Natural fires]
	Narrower terms:	<b>Brush fires/ Rangeland fires/ Shrub fires</b>
	Related terms:	<b>Disturbance/ Grass fires/ Prescribed fires/ Prescribed fires (chance ignition)/ Urban wildland fire interface</b>
<b>*Wildflowers</b>		
[Wildland fire management]	Instead, use:	<b>Wilderness fire management</b>
[Wildland fires]	Instead, use:	<b>Wildfires</b>
<b>Wildland fuels</b>	Broader terms:	<b>Fuel types</b>
[Wildlands]	Instead, use:	<b>Wilderness areas</b>

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

[Wildland urban fire] interface	Instead, use:	<b>Urban wildland fire interface</b>
<b>*Wildlife</b>	<b>Scope note:</b>	Prefer narrower terms when applicable (i.e., <b>Birds, Mammals, Reptiles</b> , etc.) or name of particular species
	Use instead of:	[Animals]
	Narrower terms:	<b>Amphibians/ Birds/ Cavity nesting birds/ Fishes/ Game birds/ Livestock/ Mammals/ Marsupials/ Nongame birds/ Raptors/ Reptiles/ Small mammals/ Threatened and endangered species (animals)/ Wading birds/ Waterfowl</b>
	Related terms:	<b>Arachnids/ Bacteria/ Crustaceans/ Earthworms/ Insects/ Invertebrates/ Lepidoptera/ Microorganisms/ Mollusks/ Soil organisms</b>
[Wildlife diet]	Instead, use:	<b>Wildlife food habits</b>
<b>Wildlife food habits</b>	Use instead of:	[Food habits]
	Broader terms:	<b>Habits and behavior</b>
	Related terms:	<b>Forage/ Wildlife/ Wildlife management/ Wildlife nutrition</b>
<b>Wildlife food plants</b>	Use instead of:	[Game food plants]
	Related terms:	<b>Browse/ Forage/ Forbs/ Fruits/ Grasses/ Grasslike plants/ Mast/ Roots</b>
<b>Wildlife habitat management</b>	Use instead of:	[Habitat management]
	Broader terms:	<b>Wildlife management</b>
	Related terms:	<b>Carrying capacity/ Cover type conversion/ Croplands/ HCP (Habitat Conservation Plan)/ Land use planning/ Mosaic/ Multiple resource management/ Natural resource legislation/ Predation/ Prescribed fires/ Range management/ Riparian habitats/ Snags/ Trapping/ Wildlife openings</b>
<b>Wildlife management</b>	Use instead of:	[Game management]
	Narrower terms:	<b>Wildlife habitat management</b>
	Related terms:	<b>Birds/ Forest management/ Mammals/ Telemetry/ Trapping/ Wildlife/ Wildlife food habits</b>
<b>Wildlife nutrition</b>	Broader terms:	<b>Nutrition</b>
	Related terms:	<b>Wildlife food habits</b>
<b>Wildlife openings</b>	Use instead of:	[Meadows]

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

THESAURUS

	Related terms:	<b>Cover type conversion/ Mosaic/ Openings/ Wildlife habitat management</b>
<b>Wildlife refuges</b>	Use instead of:	[Nature preserves, Nature reserves, Preserves, Reserves, Sanctuaries]
	Related terms:	<b>National forests/ National parks/ State forests/ State parks/ Wilderness areas</b>
<b>*Wind</b>	Narrower terms:	<b>Foehn winds</b>
	Related terms:	<b>Climatology/ Fire behavior/ Fire weather/ Storms/ Windthrows</b>
[Windrowing]	Instead, use:	<b>Site treatments</b>
<b>Windthrows</b>	Use instead of:	[Blowdowns]
	Related terms:	<b>Wind</b>
[Windtunnel]	Instead, use:	<b>Laboratory fires</b>
[Winter burning]	Instead, use:	<b>Season of fire</b>
<b>Witness trees</b>	Related terms:	<b>Age classes</b>
<b>*Wood</b>	Related terms:	<b>Cellulose/ Charcoal/ Lignin</b>
<b>Wood chemistry</b>	Broader terms:	<b>Chemistry</b>
	Related terms:	<b>Cellulose/ Extractives/ Lignin/ Resins/ Turpentine/ Wood</b>
[Wood extractives]	Instead, use:	<b>Extractives</b>
[Wood products]	Instead, use:	<b>Forest products</b>
<b>Wood properties</b>	Related terms:	<b>Extractives/ Resins/ Wood chemistry</b>
<b>Woody fuels</b>	Broader terms:	<b>Fuel types</b>
<b>Woody plants</b>	Narrower terms:	<b>Shrubs/ Trees</b>
[Wounds]	Instead, use:	<b>Fire injuries (animals)/ Fire injuries (plants)</b>

**X**

[Xeric hammocks]	Instead, use:	<b>Hardwood hammocks</b>
<b>Xeric soils</b>	<b>Scope note:</b>	Characteristically dry soils
	Use instead of:	[Droughty soils]
	Broader terms:	<b>Soils</b>

**Y**

*No terms.*

**Z**

<b>Zinc</b>	Broader terms:	<b>Chemical elements</b>
[Zoogeography]	Instead, use:	<b>Biogeography</b>

## Geographic Names

<b>USA</b>	Use instead of:	[United States, United States of America]
	Broader terms:	<b>North America</b>
	Related terms:	<b>Pacific Islands/ Puerto Rico/ Virgin Islands</b>
	Narrower terms:	<b>Great Basin and Pacific Slope States/ Lake States/ New England/ North Central States/ North Eastern States/ Pacific Northwest/South Central States/ South Eastern States/ Western States</b>
<b>Great Basin and Pacific Slope States</b>	Broader terms:	<b>North America/ USA</b>
	Includes:	<b>Alaska/ Arizona/ California/ Idaho/ Nevada/ Oregon/ Pacific Northwest/ Utah/ Washington</b>
<b>Lake States</b>	Broader terms:	<b>North America/ North Central States/ USA</b>
	Includes:	<b>Michigan/ Minnesota/ Wisconsin</b>
<b>New England</b>	Broader terms:	<b>North America/ North Eastern States/ USA</b>
	Includes:	<b>Connecticut/ Maine/ Massachusetts/ New Hampshire/ Rhode Island/ Vermont</b>
<b>North Central States</b>	Broader terms:	<b>North America/ USA</b>
	Includes:	<b>Illinois/ Indiana/ Iowa/ Lake States/ Michigan/ Minnesota/ Missouri/ Ohio/ Wisconsin</b>
<b>North Eastern States</b>	Broader terms:	<b>North America/ USA</b>
	Includes:	<b>Connecticut/ Maine/ Massachusetts/ New England/ New Hampshire/ New Jersey/ New York/ Pennsylvania/ Rhode Island/ Vermont</b>
<b>Pacific Northwest</b>	Broader terms:	<b>Great Basin and Pacific Slope States/ North America/ USA</b>
	Includes:	<b>Alaska/ Oregon/ Washington</b>
<b>South Central States</b>	Broader terms:	<b>North America/ USA</b>
	Includes:	<b>Alabama/ Arkansas/ Kentucky/ Louisiana/ Mississippi/ Oklahoma/ Tennessee/ Texas</b>
<b>South Eastern States</b>	Broader terms:	<b>North America/ USA</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

THESAURUS

	Includes:	Delaware/ District of Columbia/ Florida/ Georgia/ Maryland/ North Carolina/ South Carolina/ Virginia/ West Virginia
<b>Western States</b>	Broader terms:	North America/ USA
	Includes:	Colorado/ Kansas/ Montana/ Nebraska/ New Mexico/ North Dakota/ South Dakota/ Wyoming
<b>Alabama</b>	Broader terms:	North America/ South Central States/ USA
<b>Alaska</b>	Broader terms:	Great Basin and Pacific Slope States/ North America/ Pacific Northwest/ USA
	Narrower terms:	Interior Alaska
<b>Arizona</b>	Broader terms:	Great Basin and Pacific Slope States/ North America/ USA
<b>Arkansas</b>	Broader terms:	North America/ South Central States/ USA
<b>California</b>	Broader terms:	Great Basin and Pacific Slope States/ North America/ USA
	Narrower terms:	Northern California/ Southern California
<b>Central Florida</b>	Broader terms:	Florida/ North America/ South Eastern States/ USA
<b>Colorado</b>	Broader terms:	North America/ USA/ Western States
<b>Connecticut</b>	Broader terms:	New England/ North America/ North Eastern States/ USA
<b>Delaware</b>	Broader terms:	North America/ South Eastern States/ USA
<b>District of Columbia</b>	Use instead of:	[DC, Washington DC]
	Broader terms:	North America/ South Eastern States/ USA
<b>Florida</b>	Broader terms:	North America/ South Eastern States/ USA
	Narrower terms:	Central Florida/ North Florida/ Red Hills/ South Florida
[Florida panhandle]	Instead, use:	North Florida
<b>Georgia</b>	Broader terms:	North America/ South Eastern States/ USA
	Narrower terms:	Red Hills/ South Georgia
<b>Hawaii</b>	Broader terms:	USA
	Related terms:	Pacific Islands/ Tropical Oceania
<b>Idaho</b>	Broader terms:	Great Basin and Pacific Slope States/ North America/ USA
<b>Illinois</b>	Broader terms:	North America/ North Central States/ USA

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

THESAURUS

<b>Indiana</b>	Broader terms:	<b>North America/ North Central States/ USA</b>
<b>Iowa</b>	Broader terms:	<b>North America/ North Central States/ USA</b>
<b>Kansas</b>	Broader terms:	<b>North America/ USA/ Western States</b>
<b>Kentucky</b>	Broader terms:	<b>North America/ South Central States/ USA</b>
<b>Louisiana</b>	Broader terms:	<b>North America/ South Central States/ USA</b>
<b>Maine</b>	Broader terms:	<b>New England/ North America/ North Eastern States/ USA</b>
<b>Maryland</b>	Broader terms:	<b>North America/ South Eastern States/ USA</b>
<b>Massachusetts</b>	Broader terms:	<b>New England/ North America/ North Eastern States/ USA</b>
<b>Michigan</b>	Broader terms:	<b>Lake States/ North America/ North Central States/ USA</b>
<b>Minnesota</b>	Broader terms:	<b>Lake States/ North America/ North Central States/ USA</b>
<b>Mississippi</b>	Broader terms:	<b>North America/ South Central States/ USA/</b>
<b>Missouri</b>	Broader terms:	<b>North America/ North Central States/ USA</b>
<b>Montana</b>	Broader terms:	<b>North America/ USA/ Western States</b>
<b>Nebraska</b>	Broader terms:	<b>North America/ USA/ Western States</b>
<b>Nevada</b>	Broader terms:	<b>Great Basin and Pacific Slope States/ North America/ USA</b>
<b>New Hampshire</b>	Broader terms:	<b>New England/ North America/ North Eastern States/ USA</b>
<b>New Jersey</b>	Broader terms:	<b>North America/ North Eastern States/ USA</b>
<b>New Mexico</b>	Broader terms:	<b>North America/ USA/ Western States</b>
<b>New York</b>	Broader terms:	<b>North America/ North Eastern States/ USA</b>
<b>North Carolina</b>	Broader terms:	<b>North America/ South Eastern States/ USA</b>
<b>North Dakota</b>	Broader terms:	<b>North America/ USA/ Western States</b>
[North Central Florida]	Instead, use:	<b>North Florida</b>
[North Eastern Florida]	Instead, use:	<b>North Florida</b>
<b>Ohio</b>	Broader terms:	<b>North America/ North Central States/ USA</b>
<b>Oklahoma</b>	Broader terms:	<b>North America/ South Central States/ USA</b>
<b>Oregon</b>	Broader terms:	<b>Great Basin and Pacific Slope States/ North America/ Pacific Northwest/ USA</b>

E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

THESAURUS

<b>Pennsylvania</b>	Broader terms:	<b>North America/ North Eastern States/ USA</b>
<b>Red Hills</b>	<b>Scope note:</b>	A physiographic region in South Georgia and North Florida characterized in part by red soils
<b>Rhode Island</b>	Broader terms:	<b>New England/ North America/ North Eastern States/ USA</b>
<b>South Carolina</b>	Broader terms:	<b>North America/ South Eastern States/ USA</b>
<b>South Dakota</b>	Broader terms:	<b>North America/ USA/ Western States</b>
<b>South Florida</b>	Broader terms:	<b>Florida</b>
<b>South Georgia</b>	Broader terms:	<b>Georgia</b>
<b>Tennessee</b>	Broader terms:	<b>North America/ South Central States/ USA</b>
<b>Texas</b>	Broader terms:	<b>North America/ South Central States/ USA</b>
	Narrower terms:	<b>Eastern Texas</b>
<b>Utah</b>	Broader terms:	<b>Great Basin and Pacific Slope States/ North America/ USA</b>
<b>Vermont</b>	Broader terms:	<b>New England/ North America/ North Eastern States/ USA</b>
<b>Virginia</b>	Broader terms:	<b>North America/ South Eastern States/ USA</b>
<b>Washington</b>	Broader terms:	<b>Great Basin and Pacific Slope States/ North America/ Pacific Northwest/ USA</b>
<b>West Virginia</b>	Broader terms:	<b>North America/ South Eastern States/ USA</b>
<b>Wisconsin</b>	Broader terms:	<b>Lake States/ North America/ North Central States/ USA</b>
<b>Wyoming</b>	Broader terms:	<b>North America/ USA/ Western States/ Yellowstone National Park</b>
<b>AFRICA</b>		
<b>Africa</b>	Narrower terms:	<b>Botswana/ East Africa/ Ethiopia/ Gabon/ Ghana/ Kenya/ Madagascar/ Namibia/ Nigeria/ South Africa/ Tanzania/ Uganda/ West Africa/ Zambia/ Zimbabwe</b>
<b>ASIA</b>		
<b>Asia</b>	Narrower terms:	<b>Borneo/ Burma/ Cambodia/ China/ India/ Indonesia/ Japan/ Korea/ Laos/ Malaysia/ Russia/ Siberia/ Southeast Asia/ Soviet Union/ Thailand</b>
<b>AUSTRALIA</b>		
<b>Australia</b>	Use instead of:	[Commonwealth of Australia]
	Broader terms:	<b>Oceania</b>

## E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database

## THESAURUS

	Narrower terms:	<b>Australian Capital Territory/ New South Wales/ Northern Territory/ Queensland/ South Australia/ Tasmania/ Victoria/ Western Australia</b>
	Related terms:	<b>Pacific Islands/ Papua New Guinea/ Tropical Oceania</b>
<b>Australian Capital Territory</b>	Use instead of:	[ACT, Canberra]
	Broader terms:	<b>Australia</b>
<b>New South Wales</b>	Broader terms:	<b>Australia</b>
<b>New Zealand</b>		
<b>Northern Territory</b>	Broader terms:	<b>Australia</b>
<b>Queensland</b>	Broader terms:	<b>Australia</b>
<b>South Australia</b>	Broader terms:	<b>Australia</b>
<b>Tasmania</b>	Broader terms:	<b>Australia</b>
<b>Victoria</b>	Broader terms:	<b>Australia</b>
<b>Western Australia</b>	Broader terms:	<b>Australia</b>
CANADA		
<b>Canada</b>	Broader terms:	<b>North America</b>
	Narrower terms:	<b>Alberta/ British Columbia/ Manitoba/ New Brunswick/ Newfoundland/ Northwest Territories/ Nova Scotia/ Ontario/ Prince Edward Island/ Quebec/ Saskatchewan/ Yukon Territory</b>
<b>Alberta</b>	Broader terms:	<b>Canada/ North America</b>
<b>British Columbia</b>	Broader terms:	<b>Canada/ North America</b>
<b>Labrador</b>	Broader terms:	<b>Canada/ North America</b>
Related terms:	<b>Newfoundland/ Quebec</b>	
<b>Manitoba</b>	Broader terms:	<b>Canada/ North America</b>
<b>New Brunswick</b>	Broader terms:	<b>Canada/ North America</b>
<b>Newfoundland</b>	Broader terms:	<b>Canada/ North America</b>
	Related terms:	<b>Labrador</b>
<b>Northwest Territories</b>	Broader terms:	<b>Canada/ North America</b>
<b>Nova Scotia</b>	Broader terms:	<b>Canada/ North America</b>
<b>Ontario</b>	Broader terms:	<b>Canada/ North America</b>
<b>Prince Edward Island</b>	Broader terms:	<b>Canada/ North America</b>
<b>Quebec</b>	Broader terms:	<b>Canada/ North America</b>
	Related terms:	<b>Labrador</b>
<b>Saskatchewan</b>	Broader terms:	<b>Canada/ North America</b>
<b>Yukon Territory</b>	Broader terms:	<b>Canada/ North America</b>
CARIBBEAN		
<b>Caribbean</b>	Narrower terms:	<b>Bahamas/ Cuba/ Puerto Rico/ Trinidad</b>
CENTRAL AMERICA		
<b>Central America</b>	Narrower terms:	<b>Belize/ Costa Rica/ Guatemala/ Honduras/ Nicaragua/ Panama</b>
EUROPE		

**E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database  
THESAURUS**

<b>Europe</b>	Narrower terms:	<b>Belgium/ France/ Germany/ Great Britain/ Greece/ Ireland/ Italy/ Lapland/ Mediterranean/ Netherlands/ Portugal/ Sardinia/ Scandinavia</b>
	Related terms:	<b>Denmark/ Finland/ Norway/ Sweden/ Scotland/ Spain/ Wales/ West Germany</b>
[Holland]	Instead, use:	<b>Netherlands</b>
<b>MID EAST</b>		
<b>Mid East</b>	Narrower terms:	<b>Israel/ Kuwait/ Lebanon</b>
<b>NORTH AMERICA</b>		
<b>North America</b>	Narrower terms:	<b>Canada/ Mexico/ USA/ narrower terms associated with USA</b>
<b>SOUTH AMERICA</b>		
<b>South America</b>	Narrower terms:	<b>Amazon/ Argentina/ Brazil/ Bolivia/ Colombia/ Falkland Islands/ Paraguay/ Venezuela</b>
<b>TROPICAL REGIONS</b>		
<b>Tropical Regions</b>		

**Notes on the Development of the Fire Ecology Thesaurus**

In 1987, the Thesaurus was developed to index Dr. E.V. Komarek's extensive collection of fire-related documents which he had donated to our organization. The starting vocabulary for the Thesaurus was Dr. Komarek's own list of subject categories used in the original arrangement of his document collection. Many terms and definitions were added, primarily from *Terminology of Forest Science, Technology Practice and Products*<sup>1</sup> edited by F. C. Ford-Robertson and *FIREBASE Guide*<sup>2</sup> by K. L. Eckels et al. More terms were added from dictionaries, glossaries, thesauri, and indexes and directly from the literature being indexed for the computerized database. Librarian Sharri Moroshok authored the original thesaurus with extensive input from Tall Timbers' Research Scientist/Plant Ecologist Dr. Sharon Hermann. Forestry and ecology terminology were integrated to the thesaurus. In following years, improvements were developed by indexers Teresa Pruden, Ann Bruce and Pamela Harpel-Burke. Tall Timbers' Research Administrative Assistant Kaye Gainey is recognized for accuracy. Funding from the International Association of Fish and Wildlife Agencies in 1998 made possible the posting of the Thesaurus and database on the World Wide Web. Librarian Karla Brandt successfully changed the Thesaurus from an in-house library document to a useful tool for anyone to access via the web.

## E. V. Komarek Fire Ecology Thesaurus Fire Ecology Database THESAURUS

unique fire ecology materials at Tall Timbers is the purpose of the database and thesaurus. We welcome your comments, suggestions, additions and corrections.

Carol Armstrong, Librarian  
e-mail [Carol@ttrs.org](mailto:Carol@ttrs.org)

1. Eckels, K. L., A. W. Lindler, A. R. Taylor. 1976. *FIREBASE guide : interim controlled vocabulary of searching and indexing FIREBASE records* . U.S.D.A. Forest Service, Intermountain Forest and Range Experiment Station.
2. FORD-ROBERTSON, F. C. 1971. *Terminology of forest science, technology practice and products*. Society of American Foresters.

*Revised August 2009*