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 THESAURUS

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

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

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Artificial cavities	Related terms:	Cavity nesting birds/ Cavity trees/ Nongame birds/ Translocation
Artificial regeneration	Scope note:	Includes seeding and planting
	Use instead of:	[Seeding]
	Related terms:	Regeneration
Artificial regeneration (aerial)		
[Artificial suppression]	Instead, use:	Suppression
*Ash	Related terms:	Air quality/ Fertilizers/ Particulates
Ashbed effect		
[Autecology]	Instead, use:	Population ecology
B		
Backfires	Scope note:	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:	Firing techniques/ Headfires/ Prescribed fires
Backing fires	Scope note:	A fire front spreading against the wind
	Related terms:	Fire behavior
Bacteria		
*Balds	Broader terms:	Habitat types
	Related terms:	Grasslands
Banding	Related terms:	Telemetry
[Bare soils]	Instead, use:	Mineral soils
Bark	Related terms:	Fire adaptations (plants)/ Trees
Barrens	Broader terms:	Habitat types
Barrier islands	Use instead of:	[Sea islands]
	Broader terms:	Habitat types
[Basal sprouting]	Instead, use:	Resprouting/ Sprouting
[Behavior]	Instead, use:	Habits and behavior
[Benign wildfires]	Instead, use:	Prescribed fires (chance ignition)
*Bibliographies	Use instead of:	[Literature surveys]
[Biodiversity]	Instead, use:	Species diversity (animals)/ Species diversity (plants)
Biogeochemical cycles	Related terms:	Nutrient cycling
*Biogeography	Use instead of:	[Demography, Plant distribution, Plant geography, Vegetation patterns, Zoogeography]
	Related terms:	Distribution/ Island ecology/ Plant ecology/ Relict vegetation
Biography		

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[Biological control]	Instead, use:	Integrated pest management/ Weed control
[Biological diversity]	Instead, use:	Species diversity
*Biomass	Scope note:	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
Biomass burning		
[Biotic diversity]	Instead, use:	Species diversity
Bird counts		
Birds	Broader terms:	Wildlife
	Narrower terms:	Cavity nesting birds/ Game birds/ Nongame birds/ Raptors/ Wading birds/ Waterfowl
	Related terms:	Wildlife management
[Blacklining]	Intead, use:	Firebreaks
[Blowdowns]	Instead, use:	Windthrows
*Blowups	Scope note:	Fires which suddenly increase in intensity and rate of spread so as to preclude immediate control
	Related terms:	Catastrophic fires/ Crown fires/ Fire behavior
*Bogs	Scope note:	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:	Habitat types
	Narrower terms:	Peat bogs
	Related terms:	Marshlands/ Pocosins/ Savannas/ Swamps/ Wetlands
Book reviews		
Boreal forests	Broader terms:	Forest types
	Related terms:	Tundra
Bottomland hardwoods	Scope note:	Hardwoods growing in low-lying or swampy areas
	Use instead of:	[Hydric hammocks]
	Broader terms:	Habitat types
	Related terms:	Hardwood forests/ Hardwood hammocks/ Trees
[Boundary zones]	Instead, use:	Ecotones
[Breeding]	Instead, use:	Habits and behavior along with Reproduction
Broadcast burning	Related terms:	Prescribed fires

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

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

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	Related terms:	Air temperature/ Droughts/ENSO/ Fire weather/ Climate change/ Humidity/ Precipitation/ Storms/ Temperature/ Wind
*Climax vegetation	Related terms:	Old growth vegetation/ Succession
[Clipping]	Instead, use:	Cutting/ Site treatments
[Closed cone]	Instead, use:	Serotiny along with Cones
[Coarse fuels]	Instead, use:	Heavy fuels
[Coarse woody debris]	Instead, use:	Heavy fuels
Coastal forests	Use instead of:	[Maritime forests]
	Broader terms:	Forest types
Coastal plain	Broader terms:	Habitat types
Coastal vegetation	Use instead of:	[Strand vegetation]
[Colonizers]	Instead, use:	Pioneer species
[Combustibility]	Instead, use:	Flammability
*Combustion	Narrower terms:	Spontaneous combustion
	Related terms:	Combustion chambers/ Flammability
Combustion chambers	Related terms:	Combustion/ Laboratory fires
Community ecology	Broader terms:	Ecosystem dynamics
	Related terms:	Habitat types/ Plant communities/ Species diversity (animals)/ Species diversity (plants)
[Community structure]	Instead, use:	Community ecology
*Competition	Scope note:	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:	Dominance (ecology)/ Suppression
[Complex terrain]	Instead, use:	Mountainous terrain
Composites		
[Composition]	Instead, use:	Species diversity (animals)/ Species diversity (plants)
Computer networks		
Computer programs	Related terms:	GIS/ GPS/ Maps/ Models
[Computer simulations]	Instead, use:	Models
Cones	Use instead of:	[Pinecones]
	Broader terms:	Seeds
	Related terms:	Reproduction/ Serotiny
[Conflagrations]	Instead, use:	Catastrophic fires
Coniferous forests	Broader terms:	Forest types
	Related terms:	Pine forests
Conifers	Scope note:	For works dealing specifically with pines, prefer term Pines
	Use instead of:	[Softwoods]

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

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*Crown fires	Scope note:	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:	Blowups/ Catastrophic fires/ Crowns/ Fire intensity/ Surface fires
Crown scorch	Use instead of:	[Needle scorch]
	Broader terms:	Fire injuries (plants)
	Related terms:	Scorch
Crowns	Use instead of:	[Tree Crowns]
	Related terms:	Crown fires/ Foliage/ Overstory
CRP (Conservation Reserve Program)	Broader terms:	Natural resource legislation
	Related terms:	Agriculture/ Croplands/ Erosion/ Erosion control/ Soil conservation/ Soil erosion/ Soil management
[Cryptogamic soils]	Instead, use:	Soils along with Mosses or Lichens or Algae or Bacteria
[Cultivation]	Instead, use:	Tillage
Crustaceans	Broader terms:	Invertebrates
Cutting	Related terms	Logging
D		
Dead fuels	Broader terms:	Fuel types
	Related terms:	Fuel accumulation /Heavy fuels
[Dead herbage]	Instead, use:	Dead fuels/ Litter
[Debris]	Instead, use:	Litter
[Decadent]	Instead, use:	Senescence
Decay	Related terms:	Decomposition/ Duff/ Fuel accumulation/ Fungi/ Senescence
Deciduous forests	Broader terms:	Forest types
	Related terms:	Hardwood forests
Deciduous plants		
[Deciduous trees]	Instead, use:	Deciduous plants/ Hardwoods
*Decomposition	Related terms:	Decay
Deforestation	Related terms:	Forestation
[Demography]	Instead, use:	Biogeography/ Distribution
Dendrochronology	Use instead of:	[Tree ring analysis]
	Related terms:	Fire histories/ Fire scar analysis
[Density]	Instead, use:	Population density
[Depredation]	Instead, use:	Predation
Deserts	Broader terms:	Habitat types
	Related terms:	Arid regions
[Detritus]	Instead, use:	Litter/ Sedimentation

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

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E		
Earthworms	Broader terms:	Invertebrates/ Soil organisms
[Easements]	Instead, use:	Conservation easements
Ecological niches	Use instead of:	[Niches]
*Ecology	Scope note:	Prefer narrower term, i.e., Community ecology/ Ecosystem dynamics/ Fire ecology/ Insect ecology/ Island ecology/ Landscape ecology/ Plant ecology
	Related terms:	Climax vegetation
Economics	Use instead of:	[Cost]
[Ecosystem]	Instead, use:	Forest types, Habitat types
Ecosystem dynamics	Related terms:	Biogeochemical cycles/ Community ecology/ Nutrient cycling
Ecotones	Scope note:	Transition area between two adjacent ecological communities (e.g., forest and grassland)
	Use instead of:	[Boundary zones, Edge effect, Transition zones]
	Broader terms:	Habitat types
	Related terms:	Forest edges/ Forest fragmentation
[Edaphic]	Instead, use:	Soils
[Edge effect]	Instead, use:	Ecotones/ Forest edges
Education	Related terms:	Public information
Elevation	Related terms:	Topography
[El Nino]	Instead use:	ENSO
[Emissions]	Instead, use:	Air quality
[Encroachment]	Instead, use:	Invasive species
[Endangered species (animals)]	Instead, use:	Threatened and endangered species (animals)
[Endangered species (plants)]	Instead, use:	Threatened and endangered species (plants)
[Endemic species]	Instead, use:	Native species (animals)/ Native species (plants)
*Energy		
ENSO	Scope note:	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:	Climatology / climate change
[Entomology]	Instead, use:	Insects

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

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

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

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

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

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

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	Related terms:	Climatology/ Droughts/ Fire behavior/ Fire season/ Foehn winds/ Humidity/ Lightning/ Prescribed fires/ Precipitation/ Rate of spread/ Temperature/ Wind
[Fire weather forecasting]	Instead, use:	Fire weather along with Fire danger rating
Fire whirls	Use instead of:	[Whirlwinds]
	Broader terms:	Fire behavior
	Related terms:	Firebrands/ Spot fires/ Vortices
[Fire wounds]	Instead, use:	Fire injuries (animals)/ Fire injuries (plants)
Firebrands	Scope note:	Any burning material that could start a forest fire
	Related terms:	Fire whirls/ Spot fires
Firebreaks	Scope note:	Natural or man made features which may restrict a fire's movement
	Use instead of:	[Control lines, Firelanes, Firelines, Right-of-way]
	Broader terms:	Fire control
	Related terms:	Fuel breaks/ Flank fires
Firefighting personnel	Related terms:	Fire injuries (human)/ Fire suppression / Health factors/ Safety
[Firelanes]	Instead, use:	Firebreaks/ Fuel breaks
[Firelines]	Instead, use:	Firebreaks
[Fires]	Instead, use Narrower terms or Related terms	
	Narrower terms:	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
	Related terms:	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
Firing techniques	Use instead of:	[Burning techniques, Strip firing]
	Narrower terms:	Aerial ignition
	Related terms:	Backfires/ Fire suppression/ Headfires/ Ignition/ Prescribed fires

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

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	Use instead of:	[Corridors, Disjunct populations, Forest patches, Habitat fragmentation, Patch dynamics, Powerline corridors, Remnant vegetation]
	Broader terms:	Fragmentation
	Related terms:	Ecotones/ Forest edges/ Island ecology/ Landscape ecology/ Mosaic/ Vulnerable species or communities
[Forest fuels]	Instead, use:	Fuels
[Forest insects]	Instead, use:	Insects
[Forest Inventory and Analysis]	Instead, use:	FIA (Forest Inventory and Analysis)
[Forest islands]	Instead, use:	Island ecology
[Forest litter]	Instead, use:	Litter
Forest management	Related terms:	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
[Forest openings]	Instead, use:	Wildlife openings
[Forest patches]	Instead, use:	Forest fragmentation/ Mosaic
Forest products		
[Forest regeneration]	Instead, use:	Regeneration
[Forest roads]	Instead, use:	Roads
[Forest snags]	Instead, use:	Snags
[Forest soils]	Instead, use:	Soils
[Forest surveys]	Instead, use:	Vegetation surveys
Forest types	Narrower terms:	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

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	Related terms:	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
Forestation	Use instead of:	[Afforestation, Reclamation, Reforestation]
	Related terms:	Cover type conversion/ Deforestation/ Regeneration
Fossils	Broader terms:	Paleontology
Fragmentation	Narrower terms:	Forest fragmentation
FRCC (Fire Regime Condition Class)	Scope note:	Interagency, standardized tool to determine degree of departure from reference condition vegetation, fuels & disturbance regimes
[*Frequency]	Instead, use:	Fire frequency
[Freshwater marshes]	Instead, use:	Marshes
Fruits	Related terms:	Mast/ Seeds/ Wildlife food plants
Fuel accumulation	Use instead of:	[Fuel weight]
	Related terms:	Dead fuels/ Decay/ Fire exclusion/ Fire hazard/ Fuel appraisal/ Fuel loading/ Light burning/ Litter
Fuel appraisal	Scope note:	Relation of fuel inventory to fire behavior
	Use instead of:	[Fuel measurement, Fuel assessment]
	Related terms:	Fire behavior/ Fuel accumulation/ Fuel arrangement/ Fire hazard reduction/ Fuel inventory/ Fuel loading/ Fuel moisture
Fuel arrangement	Use instead of:	[Fuel array]
[Fuel assessment]	Instead, use:	Fuel appraisal

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Fuel breaks	Scope note:	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:	Firebreaks/ Fire resistant plants
[Fuel complex]	Instead, use:	Fuel types
[Fuel consumption]	Instead, use:	Fire hazard reduction
[Fuel depth]	Instead, use:	Fuel loading
Fuel inventory	Related terms:	Fuel accumulation/ Fuel appraisal
Fuel loading	Use instead of:	[Fuel depth]
	Related terms:	Fuel accumulation/ Fuel appraisal
Fuel management	Related terms:	Fire hazard reduction/ Fire management/ Land management
[Fuel measurement]	Instead, use:	Fuel appraisal
Fuel models	Related terms:	Fire danger rating/ Fuel types/ Rate of spread
Fuel moisture	Broader terms:	Moisture
	Related terms:	Fire hazard
[Fuel reduction]	Instead, use:	Fire hazard reduction
Fuel types	Use instead of:	[Fuel complex]
	Narrower terms:	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
	Related terms:	Fire behavior/ Fire hazard/ Fire weather/ Fuel models/ Rate of spread
[Fuel weight]	Instead, use:	Fuel accumulation/ Fuel loading
Fuels	Related terms:	Fuel types
Fungi	Use instead of:	[Mushrooms]
	Related terms:	Bryophytes/ Decay/ Lichens/ Mycorrhiza/ Plant diseases/ Soil organisms
[Fur bearers]	Instead, use:	Mammals/ Small mammals
Fynbos	Broader terms:	Habitat types
G		
[Gallery forests]	Instead, use:	Riparian habitats
[Gallinaceous birds]	Instead, use:	Game birds
Game birds	Use instead of:	[Gallinaceous birds, Upland game birds]
	Broader terms:	Birds/ Wildlife
	Related terms:	Hunting/ Nongame birds/ Plantations/ Waterfowl

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[Game cover]	Instead, use:	Cover/ Ground cover
[Game food plants]	Instead, use:	Wildlife food plants
[Game management]	Instead, use:	Wildlife management
[Gaps]	Instead, use:	Openings
Garrigue	Broader terms:	Habitat types
	Related terms:	Shrublands
Gases	Narrower terms:	Carbon dioxide/ Carbon monoxide/ Methane/ Ozone/ Oxygen/Sulfur dioxide
	Related terms:	Air quality
Gastropoda		
General interest	Scope note:	Works oriented to the non-specialist
Genetics	Use instead of:	[Dominance (Genetics)]
[Geochemical cycles]	Instead, use:	Biogeochemical cycles/ Nutrient cycling
[Geographic distribution of plants or animals]	Instead, use:	Biogeography/ Distribution
[Geographic Information Systems]	Instead, use:	GIS
Geographic Names are listed at the end of the thesaurus (following [Zoogeography])		
*Geography	Scope note:	Prefer term Biogeography for geographical distribution of plants and animals; use Topography or specific term for topographic features (i.e., Deserts, Grasslands, Swamps, etc.)
	Related terms:	GIS/GPS
Geology		
*Germination	Narrower terms:	Seed germination
GIS	Scope note:	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:	Computer programs
	Related terms:	GPS/ Maps/ Remote sensing
Glaciers		
Glades	Instead, use:	Openings
[Global Positioning System]	Instead, use:	GPS
Global warming	Instead, use:	Climate change
	Related term:	ENSO / Climatology
[Golf courses]	Instead use:	Recreation

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

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Ground fires	Related terms:	Peat fires/ Surface fires
[Growing season burning]	Instead, use:	Season of fire
H		
[Habitat changes]	Instead, use:	Cover type conversion/ Habitat conversion
[Habitat Conservation Plan]	Instead, use:	HCP (Habitat Conservation Plan)
Habitat conversion	Use instead of:	[Stand conversion]
	Related terms:	Cover type conversion
[Habitat fragmentation]	Instead, use:	Forest fragmentation/ Fragmentation
[Habitat management]	Instead, use:	Wildlife habitat management
[Habitat models]	Instead, use:	Habitat suitability along with Models
Habitat suitability	Scope note:	Can refer to population abundance, survival and mortality or reproductive output for any living organism
[Habitat suitability models]	Instead, use:	Habitat suitability along with Models
Habitat types	Scope note:	Prefer narrower term
	Use instead of:	[Plant associations, Vegetation types]
	Narrower terms:	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/

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	Related terms:	Community ecology/ Cover type conversion/ Ecological niches/ Escape cover/ Forest types/ Habitat conversion/ Habitat suitability/ Openings/ Wilderness areas/ Wildlife openings/ Wildlife refuges
Habits and behavior	Use instead of:	[Activity, Behavior]
	Narrower terms:	Seasonal activities/ Wildlife food habits
Hammocks	Use instead of:	[Hummocks]
	Broader terms:	Habitat types
	Narrower terms:	Hardwood hammocks/ Tropical hardwood hammocks
[Hard mast]	Instead, use:	Mast/ Seeds
[Hardwood control]	Instead, use:	Hardwoods along with Competition
Hardwood forests	Use instead of:	[Mesic hardwoods, Mixed hardwood forests, Upland hardwoods]
	Broader terms:	Forest types
	Related terms:	Bottomland hardwoods/ Deciduous forests/ Hardwood hammocks/ Pine hardwood forests
Hardwood hammocks	Use instead of:	[Hydric hammocks, Mesic hammocks, Rockland hammocks, Upland hammocks, Xeric hammocks]
	Broader terms:	Habitat types/ Hammocks
	Related terms:	Bottomland hardwoods/ Hardwood forests/ Tropical hardwood hammocks
*Hardwoods	Scope note:	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:	Trees
[Harvesting]	Instead, use:	Logging
HCP (Habitat Conservation Plan)	Scope note:	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).

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

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[High pine forests]	Instead, use:	Pine forests/ Sandhills
[Hilly terrain]	Instead, use:	Sloping terrain
Histories	Use instead of:	[Natural histories]
	Narrower terms:	Fire case histories/ Fire histories
[Hot burns]	Instead, use:	Fire intensity
Human caused fires	Use instead of:	[Man caused fires]
	Narrower terms:	Incendiary fires
	Related terms:	Native Americans/ Prescribed fires (chance ignition)/ Presettlement fires/ Recreation related fires
*Humidity	Related terms:	Climatology/ Fire weather
[Hummocks]	Instead, use:	Hammocks
*Humus	Use instead of:	[Mor, Raw humus]
	Broader terms:	Organic matter/ Soils
	Related terms:	Decay/ Duff/ Fine fuels/ Litter
[Humus soils]	Instead, use:	Organic soils
Hunting	Related terms:	Game birds/ Nongame birds/ Plantations/ Trapping
	Broader terms:	Recreation
[Hurricanes]	Instead, use:	Storms
[Hydric hammocks]	Instead, use:	Hammocks/ Hardwood hammocks
Hydrocarbons		
*Hydrology	Related terms:	Runoff/ Streamflow/ Streams/ Watersheds
[Hydrophobic soils]	Instead, use:	Water repellent soils
I		
[Ignitability]	Instead, use:	Flammability
*Ignition	Narrower terms:	Aerial ignition
	Related terms:	Firing techniques/ Flammability
[Improvement cutting]	Instead, use:	Thinning
Incendiary fires	Use instead of:	[Arson]
	Broader terms:	Human caused fires
[Indians]	Instead, use:	Native Americans
[Infertility]	Instead, use:	Soil nutrients
[Infrared photography]	Instead, use:	Photography
Insect ecology	Broader terms:	Ecology/ Insects
Insecticides	Broader terms:	Pesticides
Insects	Broader terms:	Arthropods/ Invertebrates
	Narrower terms:	Lepidoptera
	Related terms:	Arachnids/ Insect ecology/ Integrated pest management/ Soil organisms
Integrated pest management	Related terms:	Arthropods/ Insects
[*Intensity]	Instead, use:	Fire intensity

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[Intensive forest management]	Instead, use:	Site treatments
Introduced species	Use instead of:	[Alien species, Exotic species]
	Related terms:	Invasive species
Invasive species	Use instead of:	[Encroachment]
	Related terms:	Fire management/ Introduced species/ Pioneer species/ Succession
Invertebrates	Narrower terms:	Arachnids/ Arthropods/ Crustaceans/ Earthworms/ Insects/ Lepidoptera/ Mollusks/ Soil organisms
Iron		
Island ecology	Scope note:	Ecology of habitat islands or small patches of habitat in a regional landscape
	Use instead of:	[Forest islands]
	Broader terms:	Ecology
	Related terms:	Biogeography/ Forest fragmentation/ Species diversity (animals)/ Species diversity (plants)
J		
Jarrah	Broader terms:	Habitat types
Juvenile literature	Related terms:	Education/ General interest
[Juveniles]	Instead, use:	Seedlings
K		
Karri	Broader terms:	Habitat types
Keystone species	Scope note:	Species that have a disproportionately large effect on other species in a community
L		
Laboratory fires	Broader terms:	Experimental fires
	Related terms:	Combustion chambers/ Field experimental fires
Lakes		
Land management	Related terms:	Fire management/ Fuel management
[Landsat]	Instead, use:	Remote sensing
[Landscape architecture]	Instead, use:	Landscape ecology
[Landscape diversity]	Instead, use:	Landscape ecology
Land use		
[Land use history]	Instead, use:	Land use

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

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*Litter	Scope note:	Uppermost layer of organic debris
	Use instead of:	[Dead herbage, Debris, Detritus, Forest litter, Marsh litter, Mulch, Prairie litter]
	Broader terms:	Organic matter
	Related terms:	Duff/ Fine fuels/ Fuel accumulation/ Fuel types/ Humus
[Litterfall]	Instead, use:	Litter
Live fuels	Use instead of:	[Green fuels]
	Broader terms:	Fuel types
Liverworts	Instead, use:	Bryophytes
Livestock	Use instead of:	[Cattle]
	Related terms:	Range management
Logging	Use instead of:	[Harvesting, Selective logging, Timber harvesting, Tree harvesting]
	Related terms:	Clearcutting/ Cutting/ Partial cutting/ Shelterwood/ Slash/ Thinning/HFI (Healthy Forests Initiative)
[Low fertility]	Instead, use:	Soil nutrients
Low intensity burns	Related terms:	Fire intensity/ Light burning
M		
Madrean habitats	Scope note:	Subtropical Madrean pine-oak woodlands found in mountains of the southwestern USA (Arizona, New Mexico, and western Texas) and in mountains of Mexico.
Magnesium	Broader terms:	Chemical elements
Mammals	Broader terms:	Wildlife
	Narrower terms:	Small mammals
[Management]	Instead, use:	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
[Management fires]	Instead, use:	Prescribed fires/ Prescribed fires (chance ignition)
[Man caused disturbance]	Instead, use:	Disturbance
[Man caused fires]	Instead, use:	Human caused fires

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

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

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Multiple resource management	Related terms:	Forest management/ Land use planning/ Wildlife habitat management
[Mushrooms]	Instead, use:	Fungi
Mycorrhiza	Scope note:	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:	Fungi
N		
National Fire and Fire Surrogate Study (NFFS)		
[National Fire Danger Rating System]	Instead, use:	Fire danger rating
National Fire Plan	Related terms:	Fire management planning
National forests	Related terms:	National parks/ State forests/ Wilderness areas/ Wildlife refuges
National parks	Related terms:	National forests/ Yellowstone National Park
[National reserves]	Instead, use:	Wildlife refuges
Native Americans	Use instead of:	[Indians]
	Related terms:	Aborigines/ Human caused fires/Prehistoric fires
Native species (animals)	Related terms:	Introduced species/ Invasive species/ Restoration
Native species (plants)	Related terms:	Introduced species/ Invasive species/ Restoration
[Natural areas]	Instead, use:	Natural areas management/ Wilderness areas
Natural areas management	Use instead of:	[Preservation]
	Related terms:	Conservation/ Land use planning/ Native species (animals)/ Native species (plants)/ Restoration / Wilderness areas
[Natural disturbance]	Instead, use:	Disturbance
[Natural fires]	Instead, use:	Disturbance/ Lightning caused fires/ Prescribed fires (chance ignition)/ Wildfires
[Natural histories]	Instead, use:	Histories
[Natural regeneration]	Instead, use:	Regeneration
Natural resource legislation	Broader terms:	Legislation

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	Narrower terms:	CRP (Conservation Reserve Program)/ FIA (Forest Inventory and Analysis)
	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:	Suppression
[Nature preserves]	Instead, use:	Wildlife refuges
[Nature reserves]	Instead, use:	Wildlife refuges
[Naval stores]	Instead, use:	Turpentine
Needles	Broader terms:	Fine fuels/ Foliage
	Related terms:	Leaves/ Litter
[Needle scorch]	Instead, use:	Crown scorch/ Fire injuries (plants)/ Scorch
Nesting		
Nesting cover	Broader terms:	Cover/ Ground cover
	Related terms:	Cover type conversion/ Escape cover
[Nesting sites]	Instead, use:	Nesting cover
[News media]	Instead, use:	Public information
[*Niches]	Instead, use:	Ecological niches
*Nitrogen	Broader terms:	Chemical elements
*Nitrogen fixation	Related terms:	Nutrient cycling
Nongame birds	Use instead of:	[Passerine birds, Songbirds]
	Broader terms:	Birds/ Wildlife
	Related terms:	Cavity nesting birds/ Game birds/ Raptors/ Waterfowl
[Nonwetable soils]	Instead, use:	Water repellent soils
Nuclear winter		
Nutrient cycling	Related terms:	Biogeochemical cycles/ Ecosystem dynamics/ Fire ecology/ Nitrogen fixation/ Nutrients/ Soil nutrients
*Nutrients	Narrower terms:	Soil nutrients
	Related terms:	Biogeochemical cycles/ Chemical elements/ Minerals/ Nutrient cycling/ Plant nutrients/ Plant nutrition
*Nutrition	Narrower terms:	Plant nutrition/ Wildlife nutrition
O		
[Oak savannas]	Instead, use:	Savannas along with Quercus
Obligate seeder	Instead, use:	Seed dispersal
Old fields	Related terms:	Agriculture/ Croplands

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Old growth forests	Scope note:	A mature or overmature forest more or less uninfluenced by human activity
	Use instead of:	[Disjunct populations, Mature forests, Primary forests, Relict forests, Remnant forests, Virgin forests]
	Broader terms:	Forest types
	Related terms:	Age classes/ Old growth vegetation/ Second growth forests/ Succession
Old growth vegetation	Related terms:	Old growth forests
Openings	Related terms:	Wildlife openings
Orchids		
Organic matter	Narrower terms:	Duff/ Humus/ Litter
	Related terms:	Organic soils/ Soils/Soil organic matter
*Organic soils	Use instead of:	[Humus soils]
	Broader terms:	Soils
	Related terms:	Mineral soils/ Organic matter/ Peat fires/ Pocosins/ Soil organic matter
Overstory	Use instead of:	[Canopy]
	Related terms:	Crowns
Oxygen	Broader terms:	Gases
Ozone	Broader terms:	Gases
P		
PAH	Instead, use:	Hydrocarbons
Paleobotany	Scope note:	Study of fossil plants
Paleoclimatology	Scope note:	Study of the climate of past ages
Paleoecology	Scope note:	Identification and interpretation of the relation of ancient plants and animals to their environment
Paleontology	Scope note:	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:	Fossils
	Related terms:	Fire histories/ Prehistoric fires
Palms	Broader terms:	Trees
Palynology	Instead, use:	Pollen
Parasites	Narrower terms:	Parasitic plants
Parasitic plants	Broader terms:	Parasites
Partial cutting	Use instead of:	[Selective logging, Uneven-aged management]
	Related terms:	Clearcutting/ Logging/ Shelterwood/ Thinning

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*Particulates	Narrower terms:	Dust/ Soot
	Related terms:	Air quality/ Ash/ Smoke
[Passerine birds]	Instead, use:	Nongame birds
[Pastures]	Instead, use:	Grasslands/ Rangelands
[Patch dynamics]	Instead, use:	Forest fragmentation/ Fragmentation
[Patchy burning]	Instead, use:	Mosaic
Peat		
Peat bogs	Broader terms:	Bogs
Peat fires	Use instead of:	[Subsurface fires]
	Related terms:	Ground fires/ Organic soils/ Spontaneous combustion
[Peat islands]	Instead, use:	Peatlands
Peatlands	Broader terms:	Habitat types
[Percolation]	Instead, use:	Soil permeability
Perennial plants	Related terms:	Annual plants
[Permafrost]	Instead, use:	Tundra along with Soil temperature
[Permitting]	Instead, use:	Burning permits/ Natural resource legislation/ Prescribed fires/ Regulations
Pest control	Related terms:	Weed control
Pesticides	Broader terms:	Chemistry
	Narrower terms:	Herbicides/ Insecticides
	Related terms:	Chemicals
pH	Use instead of:	[Acidity, Alkalinity]
Phenology	Scope note:	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:	Plant physiology
	Related terms:	Climatology/ Flowering/ Reproduction/ Seasonal activities/ Season of fire/ Serotiny
Phosphate		
Phosphorus	Broader terms:	Chemical elements
Photography	Use instead of:	[Photo interpretation, Repeat photography]
	Broader terms:	Remote sensing
[Photo interpretation]	Instead, use:	Photography
*Photosynthesis	Broader terms:	Plant physiology
	Related terms:	Light
*Physics		
Physiology	Narrower terms:	Plant physiology
[Phytosociology]	Instead, use:	Plant communities
Piedmont	Broader terms:	Habitat types
[Piling]	Instead, use:	Site treatments

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Pine barrens	Broader terms:	Habitat types
[Pine bays]	Instead, use:	Swamps along with Pine forests
[Pinecones]	Instead, use:	Cones
[Pine flatwoods]	Instead, use:	Flatwoods/ Pine forests
Pine forests	Broader terms:	Forest types
	Related terms:	Coniferous forests/ Flatwoods/ Sandhills/ Scrub
Pine hardwood forests	Broader terms:	Forest types
	Related terms:	Hardwood forests
[Pinelands]	Instead, use:	Pine forests
[Pine palmetto flatwoods]	Instead, use:	Flatwoods
[Pine rocklands]	Instead, use:	Pine forests
Pines	Related terms:	Conifers
[Pine savannas]	Instead, use:	Flatwoods/ Sandhills
Pioneer species	Scope note:	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:	Invasive species/ Plant growth/ Succession
[Planning]	Instead, use:	Fire management planning/ Land use planning
[Plant associations]	Instead, use:	Habitat types
Plant communities	Use instead of:	[Phytosociology]
[Plant development]	Instead, use:	Plant growth
Plant diseases	Broader terms:	Diseases
	Related terms:	Fungi
[Plant distribution]	Instead, use:	Distribution
Plant dormancy	Use instead of:	[Dormancy]
	Related terms:	Seed dormancy/ Tree dormancy
*Plant ecology	Broader terms:	Ecology
	Related terms:	Biogeography/ Distribution
[Plant geography]	Instead, use:	Biogeography
Plant growth	Use instead of:	[Plant development, Recruitment, Seedling establishment, Survivorship, Tree growth]
	Related terms:	Pioneer species/ Plant nutrients/ Plant nutrition/ Sprouting
Plant nutrients	Scope note:	Nutrients contained in plants
	Broader terms:	Nutrients
	Related terms:	Plant growth/ Soil nutrients
Plant nutrition	Scope note:	Nutrition provided by soil to plants
	Broader terms:	Nutrition
	Related terms:	Nutrients/ Plant growth/ Soil nutrients

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Plant physiology	Broader terms:	Physiology
	Narrower terms:	Flowering/ Phenology/ Photosynthesis/ Plant dormancy/ Seed dormancy/ Seed germination/ Tree dormancy
[Plant production]	Instead, use:	Plant growth along with Biomass
[Plant succession]	Instead, use:	Succession
[Plant water use]	Instead, use:	Transpiration
Plantations	Related terms:	Agriculture/ Hunting
[Planting]	Instead, use:	Artificial regeneration
Plants	Instead, use:	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
	Related terms:	Bark/ Buds/ Flowering/ Foliage/ Species diversity (plants)
Plowing	Related terms:	Tillage
Pocosins	Use instead of:	[Shrub bogs]
	Broader terms:	Habitat types
	Related terms:	Bogs/ Organic soils
*Pollen		
Pollination	Related terms:	Fertilization
Pollution	Narrower terms:	Air quality
Ponds	Broader terms:	Habitat types
Population density	Scope note:	Number of individuals of a species(plant or animal) in a given area
	Use instead of:	[Abundance, Density, Species density]
	Broader terms:	Population ecology
[Population diversity]	Instead, use:	Species diversity (animals)/ Species diversity (plants)
[Population dynamics]	Instead, use:	Population ecology
Population ecology	Use instead of:	[Autecology, Population dynamics]
	Narrower terms:	Population density
	Related terms:	Threatened and endangered species (animals)/ Threatened and endangered species (plants)

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Post fire recovery	Related terms:	Regeneration/ Succession
[Post fire succession]	Instead, use:	Post fire recovery along with Succession
Potash	Related terms:	Fertilizers
Potassium	Broader terms:	Chemical elements
[Powerline corridors]	Instead, use:	Forest fragmentation
[Prairie litter]	Instead, use:	Litter
Prairies	Scope note:	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:	Habitat types
	Narrower terms:	Tallgrass prairies
	Related terms:	Grasslands/ Herbaceous vegetation/ Rangelands/ Savannas
Precipitation	Use instead of:	[Rain]
	Related terms:	Climatology/ Droughts/ Fire weather/ Runoff/ Storms/ Watersheds
Predation	Use instead of:	[Depredation]
Predators		
Prehistoric fires	Use instead of:	[Ancient fires]
	Related terms:	Aborigine/ Anthropology/ Fire histories/ Paleoecology/ Paleontology
[Prescribed burning, Prescribed burns]	Instead, use:	Prescribed fires
Prescribed fires	Use instead of:	[Burning, Controlled burning, Management fires, Prescribed burning]
	Narrower terms:	Prescribed fires (chance ignition)
	Related terms:	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
Prescribed fires (chance ignition)	Use instead of:	[Benign wildfires, Let burn, Natural fires, Prescribed natural fires]
	Broader terms:	Prescribed fires
	Related terms:	Lightning caused fires/ Human caused fires
Prescribed fires (escaped)		
[Prescribed natural fire]	Instead, use:	Prescribed fires (chance ignition)

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[Preservation]	Instead, use:	Natural areas management
[Preserves]	Instead, use:	Wildlife refuges
Presettlement fires	Related terms:	European settlement/ Lightning caused fires/ Human caused fires/ Native Americans
Presettlement vegetation	Scope note:	Vegetation patterns existing before European settlement
[Primary cavity nesters]	Instead, use:	Cavity nesting birds
[Primary forests]	Instead, use:	Old growth forests
[Primeval fires]	Instead, use:	Prehistoric fires
Private lands	Related terms:	Military lands
[Production]	Instead, use:	Plant growth along with Biomass
[Propagation]	Instead, use:	Reproduction
Protein		
Public information	Use instead of:	[Media, News media]
	Related terms:	Education/ Fire prevention/ Juvenile literature
[Pyric succession]	Instead, use:	Succession
Q		
<i>No terms</i>		
R		
*Radiation	Related terms:	Heat
Radiocarbon dating		
[Radiotagged]	Instead, use:	Telemetry
[Radiotelemetry]	Instead, use:	Telemetry
[*Rain]	Instead, use:	Precipitation
Rain forests	Broader terms:	Forest types
	Related terms:	Tropical forests
[Range fuels]	Instead, use:	Grass fuels
Range management	Related terms:	Fire management/ Forest management/ Grasslands/ Grazing/ Livestock/ Rangeland fires/ Rangelands/ Wildlife habitat management
Rangeland fires	Broader terms:	Wildfires
	Related terms:	Agriculture/ Grass fires/ Grasses
Rangelands	Broader terms:	Habitat types
	Related terms:	Agriculture/ Grasslands/ Prairies/ Range management
Raptors	Broader terms:	Birds
	Related terms:	Nongame birds
*Rate of spread	Use instead of:	[Fire rate of spread, Fire spread]

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

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Resins	Use instead of:	[Terpenes]
	Related terms:	Extractives/ Turpentine
Resprouting	Use instead of:	[Coppice, Suckering]
	Related terms:	Regeneration
Restoration	Scope note:	Management of ecosystems geared to restoring natural or pre-settlement conditions
	Related terms:	Conservation/ Fire histories/ Fire management/ Natural areas management
[Retardants]	Instead, use:	Fire retardants
[Revegetation]	Instead, use:	Regeneration
[Rhizomes]	Instead, use:	Roots
[Right-of-way]	Instead, use:	Firebreaks/ Roads
Riparian habitats	Use instead of:	[Gallery forests]
	Broader terms:	Habitat types
	Related terms:	Marshlands/ Streams/ Wetlands/ Wildlife habitat management
Rivers		
Roads	Use instead of:	[Forest roads]
[Rockland hammocks]	Instead, use:	Hardwood hammocks/ Tropical hardwood hammocks
Rocky habitats		
[Rodents]	Instead, use:	Small mammals
*Roots	Use instead of:	[Bulbs, Corms, Rhizomes, Tubers, Underground plant organs]
	Related terms:	Wildlife food plants
[Rough]	Instead, use:	Understory vegetation
Runoff	Related terms:	Drainage/ Erosion/ Hydrology/ Precipitation/ Watersheds
Rural communities	Related terms:	Agriculture/ Urban wildland fire interface
[Rushes]	Instead, use:	Grasslike plants
S		
Safe harbor	Related terms:	Natural resource legislation/ Regulations
Safety	Related terms:	Burning permits/ Fire behavior/ Fire injuries (humans)/ Health factors/ Liability/ Regulations/ Firefighting personnel
Salt marshes	Broader terms:	Habitat types/ Marshes/ Wetlands
Salvage	Use instead of:	[Timber salvage]
Sampling	Related terms:	Models/ Statistical analysis
[Sanctuaries]	Instead, use:	Wildlife refuges

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

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	Related terms:	Erosion/ Streams
[Seed banks]	Instead, use:	Seed dormancy/ Seeds
[Seed crops]	Instead, use:	Seed production
*Seed dispersal	Use instead of:	[Dispersal]
Seed dormancy	Use instead of:	[Dormancy, Seed storage]
	Related terms:	Plant dormancy/ Tree dormancy
[Seed emergence]	Instead, use:	Plant growth along with Seedlings
Seed germination	Broader terms:	Germination/ Plant physiology
	Related terms:	Plant growth/ Reproduction/ Seeds
[Seed predators]	Instead, use:	Seeds along with scientific name or a narrower term from list at Wildlife
*Seed production	Use instead of:	[Seed crops, Seedfall]
[Seed storage]	Instead, use:	Seed dormancy
[Seed trees]	Instead, use:	Shelterwood
[Seedbed preparation]	Instead, use:	Site treatments
[Seeders]	Instead, use:	Seeds along with Regeneration
[Seedfall]	Instead, use:	Seed production
[Seeding]	Instead, use:	Artificial regeneration
[Seedling establishment]	instead, use:	Plant growth along with Seedlings
Seedlings	Use instead of:	[Juveniles, Saplings, Shoots, Sprouts]
*Seeds	Narrower terms:	Cones
	Related terms:	Seed germination, Seed production
[Seepage bogs]	Instead, use:	Bogs
[Selective logging]	Instead, use:	Partial cutting
	Related term:	Shelterwood
*Senescence	Use instead of:	[Aging, Decadent]
[Seral stages]	Instead, use:	Succession
Serotiny	Scope note:	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:	Fire adaptations/ Phenology
[Severe fires]	Instead, use:	Catastrophic fires/ Crown fires/ Fire intensity
Shelterwood	Scope note:	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:	Partial cutting
[Shoot growth]	Instead, use:	Sprouting
[Shoots]	Instead, use:	Seedlings
[Shorebirds]	Instead, use:	Wading birds
[Short grass prairies]	Instead, use:	Prairies
[Shrub bogs]	Instead, use:	Bogs/ Pocosins
Shrub fuels	Broader terms:	Fuel types

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	Related terms:	Brush fires/ Shrub fires/ Shrubs
Shrublands	Broader terms:	Habitat types
Shrubs	Broader terms:	Woody plants
	Related terms:	Brush/ Brush fires/ Chaparral/ Heathlands/ Scrub/ Shrub fires/ Shrub fuels/ Sprouting/ Understory vegetation
[Silvicultural management systems]	Instead, use:	Forest management
[Silviculture]	Instead, use:	Forest management
[Site preparation]	Instead, use:	Site treatments
Site treatments	Scope note:	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:	Cutting/ Mowing/ Prescribed fires
Size classes	Related terms:	Age classes/ Diameter classes
*Slash	Scope note:	Unusual concentrations of fuel resulting from natural events (wind/ fire) or human (logging)
	Broader terms:	Fuel types
	Related terms:	Fire hazard reduction/ Logging/ Prescribed fires
Slash and burn	Related terms:	Agriculture
[Slash burning]	Instead, use:	Slash along with Prescribed fires
[Slash disposal]	Instead, use:	Slash along with Site treatments
Sloping terrain	Use instead of:	[Hilly terrain]
	Broader terms:	Topography
	Related terms:	Mountainous terrain
[Small fuels]	Instead, use:	Fine fuels
Small mammals	Use instead of:	[Fur bearers, Rodents]
	Broader terms:	Mammals
[Smog]	Instead, use:	Smoke effects along with Air quality
*Smoke	Related terms:	Aerosols/ Air quality/ Particulates/ Smoke behavior/ Smoke effects/ Smoke management
*Smoke behavior	Related terms:	Smoke/ Smoke effects/ Smoke management
Smoke effects	Related terms:	Fire effects/ Smoke
*Smoke management	Related terms:	Air quality/ Convection/ Smoke

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

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	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
Soot	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
Species diversity	Scope note:	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
*Species diversity (animals)	Broader terms:	Community ecology/ Species diversity
	Related terms:	Cover type conversion/ Island ecology/ Population ecology/ Succession
*Species diversity (plants)	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
*Spontaneous combustion	Broader terms:	Combustion
	Related terms:	Flammability/ Peat fires
Spot fires	Scope note:	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
*Sprouting	Use instead of:	[Basal sprouting, Coppice, Shoot growth]
	Related terms:	Brush/ Plant growth/ Regeneration/ Reproduction/ Resprouting/ Seedlings/ Shrubs/ Trees
[Sprouts]	Instead, use:	Seedlings
Stand characteristics	Scope note:	Species composition of a forest stand
[Stand conversion]	Instead, use:	Cover type conversion/ Habitat conversion

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[Stand replacing fires]	Instead, use:	Catastrophic fires/ Crown fires/ Fire intensity
State forests	Related terms:	National forests/ Wilderness areas
State parks		
Statistical analysis	Related terms:	Models/ Sampling
[*Statistics]	Instead, use:	Statistical analysis
[Stewardship]	Instead, use:	Forest management/ Land management/ Natural areas management/ Restoration
Stoddard-Neel System	Scope note:	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:	Forest management/ Partial cutting
	Related terms:	Neel, Leon/ Red Hills/ Stoddard, H.L.
Storms	Use instead of:	[Hurricanes, Thunderstorms]
	Related terms:	Climatology/ Fire weather/ Lightning/ Precipitation/ Wind
[Strand vegetation]	Instead, use:	Coastal vegetation
[Straw]	Instead, use:	Needles
*Streamflow	Related terms:	Hydrology/ Precipitation/ Watersheds
Streams	Related terms:	Hydrology/ Riparian habitats/ Rivers/ Sedimentation/ Wetlands
[Stress]	Instead, use:	Disturbance
[Strip firing]	Instead, use:	Firing techniques
Subalpine forests	Broader terms:	Forest types
	Related terms:	Montane forests/ Mountains
[Subsurface fires]	Instead, use:	Peat fires
Succession	Scope note:	The gradual supplanting of one community of plants by another
	Use instead of:	[Plant succession, Pyric succession, Seral stages]
	Related terms:	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)
Succulents	Use instead of:	[Cactus]
[Suckering]	Instead, use:	Resprouting/ Sprouting
Sulfur	Broader terms:	Chemical elements
Sulfur dioxide	Broader terms:	Gases

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[Summer burning]	Instead, use:	Season of fire
Suppression	Scope note:	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:	Competition
Surface fires	Related terms:	Ground fires/ Peat fires
Surface fuels	Broader terms:	Fuel types
[Survivorship]	Instead, use:	Plant growth/ Post fire recovery
[Swamp forests]	Instead, use:	Swamps
Swamps	Scope note:	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:	Habitat types
	Related terms:	Bogs/ Marshlands/ Wetlands
T		
Taiga	Broader terms:	Habitat types
Tall Timbers Research Station		
Tallgrass prairies	Broader terms:	Habitat types/ Prairies
	Related terms:	Grasslands
Taxonomy		
Telemetry	Use instead of:	[Radiotelemetry]
	Related terms:	Wildlife management
Temperate forests	Broader terms:	Forest types
*Temperature	Narrower terms:	Air temperature/ Soil temperature
	Related terms:	Climatology/ Fire weather/ Heat
[Terpenes]	Instead, use:	Resins/ Turpentine
[Thermocouple]	Instead, use:	Fire equipment
Thinning	Use instead of:	[Improvement cutting]
	Related terms:	Healthy Forests Initiative/ Logging/ Partial cutting
Threatened and endangered species (animals)	Broader terms:	Population ecology/ Wildlife habitat management
	Related terms:	HCP (Habitat Conservation Plan)/ Natural resource legislation/ Vulnerable species or communities
Threatened and endangered species (plants)	Broader terms:	Population ecology/ Wildlife habitat management

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	Related terms:	HCP (Habitat Conservation Plan)/ Natural resource legislation/ Vulnerable species or communities
[Thunderstorms]	Instead, use:	Storms
Tillage	Use instead of:	[Cultivation]
	Broader terms:	Agriculture
	Related terms:	Plowing/ Soil conservation/ Soil management
[Timber harvesting]	Instead, use:	Logging
[Timber management]	Instead, use:	Forest management
[Timber salvage]	Instead, use:	Salvage
[Time since last fire]	Instead, use:	Burning intervals/ Fire frequency
*Topography	Scope note:	Prefer narrower term for geographic features (i.e., Coastal plains, Marshlands, etc.)
	Broader terms:	Fire danger rating
	Related terms:	Elevation/ Sloping terrain
[Top soil]	Instead, use:	Soils
Toxicity	Related terms:	Allelopathy/ Fire effects/ Mortality/ Pollution
[Transition zones]	Instead, use:	Ecotones
Translocation	Scope note:	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:	Safe Harbor/ Threatened and endangered species (animals)/ Threatened and endangered species(plants)
Transpiration	Scope note:	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:	Evapotranspiration
Trapping	Related terms:	Hunting/ Wildlife habitat management
[Tree census]	Instead, use:	Stand characteristics/ Vegetation surveys
[Tree crowns]	Instead, use:	Crowns
Tree dormancy	Use instead of:	[Dormancy]
	Related terms:	Plant dormancy/ Seed dormancy
[Tree growth]	Instead, use:	Plant growth

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[Tree harvesting]	Instead, use:	Logging
[Tree ring analysis]	Instead, use:	Dendrochronology
	Related terms:	Fire scar analysis
Trees	Scope note:	Prefer narrower term
	Broader terms:	Forest types/ Woody plants
	Narrower terms:	Bark/ Bottomland hardwoods/ Brush/ Cavity trees/ Conifers/ Hardwoods/ Palms/ Pines/ Seedlings
	Related terms:	Sprouting
*Tropical forests	Broader terms:	Forest types
	Related terms:	Rain forests
Tropical hardwood hammocks	Use instead of:	[Rockland hammocks]
	Broader terms:	Habitat types/ Hammocks
	Related terms:	Hardwood hammocks
[Tubers]	Instead, use:	Roots
Tundra	Broader terms:	Habitat types
	Related terms:	Boreal forests/ Grasslands
Turpentine	Use instead of:	[Naval stores]
	Related terms:	Resins
U		
U. S. Forest Service		
[Unburned areas]	Instead, use:	Fire exclusion
[Underground plant organs]	Instead, use:	Roots
[Undergrowth]	Instead, use:	Understory vegetation
[Understory hardwoods]	Instead, use:	Hardwoods
Understory vegetation	Scope note:	Any plants (herbaceous cover, shrubs and lower trees) growing under a forest canopy
	Use instead of:	[Rough, Undergrowth]
	Related terms:	Forbs/ Grasses/ Ground cover/ Herbaceous vegetation/ Shrubs
[Uneven-aged management]	Instead, use:	Partial cutting
[Upland game birds]	Instead, use:	Game birds
[Upland hardwood hammocks]	Instead, use:	Hardwood hammocks
[Upland hardwoods]	Instead, use:	Hardwood forests
Urban habitats	Broader terms:	Habitat types
Urban wildland fire interface	Related terms:	Rural communities/ Wildfires
V		

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Vascular plants	Scope note:	Prefer narrower term, i.e., Annual plants/ Conifers/ Forbs/ Grasses/ Grasslike plants/ Hardwoods/ Herbaceous vegetation/ Palms/ Perennial plants/ Shrubs/ Understory vegetation/ Vines/ Woody plants
[Vegetation control]	Instead, use:	Weed control
[Vegetation maps]	Instead, use:	Vegetation surveys along with Maps
[Vegetation patterns]	Instead, use:	Biogeography
Vegetation surveys	Use instead of:	[Forest surveys, Tree census]
	Narrower terms:	Stand characteristics
[Vegetation types]	Instead, use:	Forest types/ Habitat types
[Vegetative cover]	Instead, use:	Ground cover
[Vertebrates]	Instead, use:	Wildlife
Vines		
[Virgin forests]	Instead, use:	Old growth forests
Volatilization	Scope note:	Evaporation or vaporization of organic materials
	Related terms:	Soil nutrients
Volcanoes		
Vortices	Related terms:	Fire whirls
Vulnerable species or communities	Scope note:	Decreasing population due to over exploitation or extensive destruction of habitat by encroaching human development
	Broader terms:	Wildlife
	Related terms:	Forest fragmentation/ Threatened and endangered species (animals)/ Threatened and endangered species (plants)
W		
Wading birds	Use instead of:	[Shorebirds]
	Broader terms:	Birds
[Warm season burning]	Instead, use:	Season of fire
Water		
Water quality		
Water repellent soils	Use instead of:	[Hydrophobic soils, Nonwetttable soils, Soil wettability]
	Broader terms:	Soils
	Related terms:	Fire effects/ Soil moisture/ Soil permeability
Water uptake		
Waterfowl	Broader terms:	Birds
	Related terms:	Game birds/ Nongame birds

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

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[Wildland urban fire] interface	Instead, use:	Urban wildland fire interface
*Wildlife	Scope note:	Prefer narrower terms when applicable (i.e., Birds, Mammals, Reptiles , etc.) or name of particular species
	Use instead of:	[Animals]
	Narrower terms:	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
	Related terms:	Arachnids/ Bacteria/ Crustaceans/ Earthworms/ Insects/ Invertebrates/ Lepidoptera/ Microorganisms/ Mollusks/ Soil organisms
[Wildlife diet]	Instead, use:	Wildlife food habits
Wildlife food habits	Use instead of:	[Food habits]
	Broader terms:	Habits and behavior
	Related terms:	Forage/ Wildlife/ Wildlife management/ Wildlife nutrition
Wildlife food plants	Use instead of:	[Game food plants]
	Related terms:	Browse/ Forage/ Forbs/ Fruits/ Grasses/ Grasslike plants/ Mast/ Roots
Wildlife habitat management	Use instead of:	[Habitat management]
	Broader terms:	Wildlife management
	Related terms:	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
Wildlife management	Use instead of:	[Game management]
	Narrower terms:	Wildlife habitat management
	Related terms:	Birds/ Forest management/ Mammals/ Telemetry/ Trapping/ Wildlife/ Wildlife food habits
Wildlife nutrition	Broader terms:	Nutrition
	Related terms:	Wildlife food habits
Wildlife openings	Use instead of:	[Meadows]

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	Related terms:	Cover type conversion/ Mosaic/ Openings/ Wildlife habitat management
Wildlife refuges	Use instead of:	[Nature preserves, Nature reserves, Preserves, Reserves, Sanctuaries]
	Related terms:	National forests/ National parks/ State forests/ State parks/ Wilderness areas
*Wind	Narrower terms:	Foehn winds
	Related terms:	Climatology/ Fire behavior/ Fire weather/ Storms/ Windthrows
[Windrowing]	Instead, use:	Site treatments
Windthrows	Use instead of:	[Blowdowns]
	Related terms:	Wind
[Windtunnel]	Instead, use:	Laboratory fires
[Winter burning]	Instead, use:	Season of fire
Witness trees	Related terms:	Age classes
*Wood	Related terms:	Cellulose/ Charcoal/ Lignin
Wood chemistry	Broader terms:	Chemistry
	Related terms:	Cellulose/ Extractives/ Lignin/ Resins/ Turpentine/ Wood
[Wood extractives]	Instead, use:	Extractives
[Wood products]	Instead, use:	Forest products
Wood properties	Related terms:	Extractives/ Resins/ Wood chemistry
Woody fuels	Broader terms:	Fuel types
Woody plants	Narrower terms:	Shrubs/ Trees
[Wounds]	Instead, use:	Fire injuries (animals)/ Fire injuries (plants)
WUI (Wildland Urban Interface)		
X		
[Xeric hammocks]	Instead, use:	Hardwood hammocks
Xeric soils	Scope note:	Characteristically dry soils
	Use instead of:	[Droughty soils]
	Broader terms:	Soils
Y		
No terms.		
Z		
Zinc	Broader terms:	Chemical elements
[Zoogeography]	Instead, use:	Biogeography

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

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

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

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

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

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Europe	Narrower terms:	Belgium/ France/ Germany/ Great Britain/ Greece/ Ireland/ Italy/ Lapland/ Mediterranean/ Netherlands/ Portugal/ Sardinia/ Scandinavia
	Related terms:	Denmark/ Finland/ Norway/ Sweden/ Scotland/ Spain/ Wales/ West Germany
[Holland]	Instead, use:	Netherlands
MID EAST		
Mid East	Narrower terms:	Israel/ Kuwait/ Lebanon
NORTH AMERICA		
North America	Narrower terms:	Canada/ Mexico/ USA/ narrower terms associated with USA
SOUTH AMERICA		
South America	Narrower terms:	Amazon/ Argentina/ Brazil/ Bolivia/ Colombia/ Falkland Islands/ Paraguay/ Venezuela
TROPICAL REGIONS		
Tropical Regions		
FRAMES GEOGRAPHIC AREAS		
Alaska		
California		
Eastern (includes Connecticut, Delaware, Illinois, Indiana, Iowa, maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont, West Virginia, and Wisconsin)		
Great Basin (includes Nevada, Utah, southern Idaho)		
Northern Rockies (includes Montana, North Dakota, Northern Idaho, and northwestern Wyoming)		
Northwest (includes Oregon and Washington, as well as southern British Columbia)		

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Rocky Mountain (includes Wyoming, Colorado, South Dakota, Nebraska, Kansas)		
Southern (includes Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Eastern Oklahoma, South Carolina, Tennessee, eastern Texas, and Virginia)		
Southwest (includes Arizona, New Mexico, western Texas, and western Oklahoma)		
FRAMES SUBJECT TERMS		
Administration		
Aviation		
Climate		
Communications		
Economics		
Emissions & smoke		
Fire behavior		
Fire ecology		
Fire effects		
Fire history		
Fire occurrence		
Fire prevention		
Fuels		
Hazard & risk		
Intelligence		
Logistics		
Mapping		
Models		
Monitoring & inventory		
Outreach		
Planning		
Prescribed fire		
Regulations & legislation		
Restoration & rehabilitation		
Safety		
Weather		

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<p>Notes on the Development of the Fire Ecology Thesaurus</p>		
<p>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 <i>Terminology of Forest Science, Technology Practice and Products</i>¹ edited by F. C. Ford-Robertson and <i>FIREBASE Guide</i>² 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 and patience in typing numerous thesaurus revisions; Library Technical Assistant Nicole Brown accurately entered thousands of bibliographic records.</p>		
<p>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.</p>		
<p>Providing convenient, permanent access to the unique fire ecology materials at Tall Timbers is the purpose of the database and thesaurus. We welcome your comments, suggestions, additions and corrections.</p>		
<p>Carol Armstrong, Librarian e-mail Carol@ttrs.org</p>		
<p>1. Eckels, K. L., A. W. Lindler, A. R. Taylor. 1976. <i>FIREBASE guide : interim controlled vocabulary of searching and indexing FIREBASE records</i> . U.S.D.A. Forest Service, Intermountain Forest and Range Experiment Station.</p>		
<p>2. Ford-Robertson, F. C. 1971. <i>Terminology of forest science, technology practice and products</i>. Society of American Foresters.</p>		