

# Fire Regimes of the Conterminous United States: Forest and Woodlands

Adapted from: USDA Forest Service. [Fire Regimes of the Conterminous United States](#) (webpage). [Fire Effects Information System](#). (Compiled from [LANDFIRE Rapid Assessment Vegetation Models](#).)

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## Fire Regimes

Below is fire regime information on 161 forested or woodland vegetation communities. This information is taken from the [LANDFIRE Rapid Assessment Vegetation Models](#) [3], which, according to LANDFIRE, “were developed by local experts using available literature, local data, and/or expert opinion. This table summarizes fire regime characteristics for each plant community listed. The PDF file linked from each plant community name describes the model and synthesizes the knowledge available on vegetation composition, structure, and dynamics in that community. Cells are blank where information is not available in the Rapid Assessment Vegetation Model.”

## Fire Regime Groups

[According to LANDFIRE](#), “Fire Regime Groups (FRG) ... characterize the presumed historical fire regimes within landscapes based on interactions between vegetation dynamics, fire spread, fire effects, and spatial context.” For convenience, I have color-coded the FRGs:

<i>Regime</i>	<i>Fire Return Interval Range and Severity</i>	<i>Number of Communities</i>	<i>Color</i>
I:	0-35 year frequency, low and mixed severity	(72)	Coral
II:	0-35 year frequency, replacement severity	(5)	Gray
III:	35-200 year frequency, low and mixed severity	(41)	Orange
IV:	35-200 year frequency, replacement severity	(13)	Blue
V:	200+ year frequency, replacement severity	(30)	Green

## Fire Severities

**Replacement:** Any fire that causes greater than 75% top removal of a vegetation-fuel type, resulting in general replacement of existing vegetation; may or may not cause a lethal effect on the plants.

**Mixed:** Any fire burning more than 5% of an area that does not qualify as a replacement, surface, or low-severity fire; includes mosaic and other fires that are intermediate in effects.

**Surface or low:** Any fire that causes less than 25% upper layer replacement and/or removal in a vegetation-fuel class but burns 5% or more of the area.

## Natural Vegetation Communities

Natural vegetation communities for each major region are found starting on the following pages:

Pacific Northwest	3	Great Lakes	9
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Southwest	5	South-central US	12
Great Basin	7	Southern Appalachians	13
Northern and Central Rockies	8	Southeast	14
Northern Great Plains	9		



## Sources

Fryer, Janet L.; Luensmann, Peggy S., compilers. 2012. Fire regimes of the conterminous United States, [Online]. In: Fire Effects Information System (FEIS). Missoula, MT: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory (Producer). Available: [www.fs.fed.us/database/feis/fire\\_regime\\_table/fire\\_regime\\_table.html](http://www.fs.fed.us/database/feis/fire_regime_table/fire_regime_table.html). 22 p. [84585]

1. Barrett, S.; Havlina, D.; Jones, J.; Hann, W.; Frame, C.; Hamilton, D.; Schon, K.; Demeo, T.; Hutter, L.; Menakis, J. 2010. Interagency Fire Regime Condition Class Guidebook. Version 3.0, [Online]. In: Interagency Fire Regime Condition Class (FRCC). U.S. Department of Agriculture, Forest Service; U.S. Department of the Interior; The Nature Conservancy (Producers). Available: <https://www.frcc.gov/>. [85876]

2. LANDFIRE Rapid Assessment. 2005. Reference condition modeling manual (Version 2.1), [Online]. In: LANDFIRE. Cooperative Agreement 04-CA-11132543-189. Boulder, CO: The Nature Conservancy; U.S. Department of Agriculture, Forest Service; U.S. Department of the Interior (Producers). 72 p. Available: [https://www.landfire.gov/downloadfile.php?file=RA\\_Modeling\\_Manual\\_v2\\_1.pdf](https://www.landfire.gov/downloadfile.php?file=RA_Modeling_Manual_v2_1.pdf) [2007, May 24]. [66741]

3. LANDFIRE Rapid Assessment. 2007. Rapid Assessment potential natural vegetation groups (PNVGs): Associated vegetation descriptions and geographic distributions. Washington, DC: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fire Sciences Lab; U.S. Geological Survey; Arlington, VA: The Nature Conservancy. 84 p. [66533]

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## Pacific Northwest

- [Pacific Northwest Woodland](#)
- [Pacific Northwest Forested](#)

Vegetation Community ( <a href="#">Potential Natural Vegetation</a> Group)	Fire severity*	Fire regime characteristics			
		Percent of fires	Mean interval (years)	Minimum interval (years)	Maximum interval (years)
<b>Pacific Northwest Woodland</b>					
<a href="#">Oregon white oak</a>	Replacement	3%	275		
	Mixed	19%	50		
	Surface or low	78%	12.5		
<a href="#">Oregon white oak-ponderosa pine</a>	Replacement	16%	125	100	300
	Mixed	2%	900	50	
	Surface or low	81%	25	5	30
<a href="#">Ponderosa pine</a>	Replacement	5%	200		
	Mixed	17%	60		
	Surface or low	78%	13		
<a href="#">Ponderosa pine savanna (ultramafic)</a>	Replacement	7%	200	100	300
	Surface or low	93%	15	10	20
<a href="#">Subalpine woodland</a>	Replacement	21%	300	200	400
	Mixed	79%	80	35	120
<a href="#">Western juniper (pumice)</a>	Replacement	33%	>1,000		
	Mixed	67%	500		
<b>Pacific Northwest Forested</b>					
<a href="#">California mixed evergreen (northern California and southern Oregon)</a>	Replacement	6%	150	100	200
	Mixed	29%	33	15	50
	Surface or low	64%	15	5	30
<a href="#">Douglas-fir (Willamette Valley foothills)</a>	Replacement	18%	150	100	400
	Mixed	29%	90	40	150
	Surface or low	53%	50	20	80
<a href="#">Douglas-fir-western hemlock (dry mesic)</a>	Replacement	25%	300	250	500
	Mixed	75%	100	50	150
<a href="#">Douglas-fir-western hemlock (wet mesic)</a>	Replacement	71%	400		
	Mixed	29%	>1,000		
<a href="#">Lodgepole pine (pumice soils)</a>	Replacement	78%	125	65	200
	Mixed	22%	450	45	85
<a href="#">Mixed conifer (eastside dry)</a>	Replacement	14%	115	70	200
	Mixed	21%	75	70	175
	Surface or low	64%	25	20	25
<a href="#">Mixed conifer (eastside mesic)</a>	Replacement	35%	200		
	Mixed	47%	150		
	Surface or low	18%	400		

<a href="#">Mixed conifer (southwestern Oregon)</a>	Replacement	4%	400		
	Mixed	29%	50		
	Surface or low	67%	22		
<a href="#">Mountain hemlock</a>	Replacement	93%	750	500	>1,000
	Mixed	7%	>1,000		
<a href="#">Oregon coastal tanoak</a>	Replacement	10%	250		
	Mixed	90%	28	15	40
<a href="#">Ponderosa pine (xeric)</a>	Replacement	37%	130		
	Mixed	48%	100		
	Surface or low	16%	300		
<a href="#">Ponderosa pine, dry (mesic)</a>	Replacement	5%	125		
	Mixed	13%	50		
	Surface or low	82%	8		
<a href="#">Pacific silver fir (low elevation)</a>	Replacement	46%	350	100	800
	Mixed	54%	300	100	400
<a href="#">Pacific silver fir (high elevation)</a>	Replacement	69%	500		
	Mixed	31%	>1,000		
<a href="#">Red fir</a>	Replacement	20%	400	150	400
	Mixed	80%	100	80	130
<a href="#">Sitka spruce-western hemlock</a>	Replacement	100%	700	300	>1,000
<a href="#">Spruce-fir</a>	Replacement	84%	135	80	270
	Mixed	16%	700	285	>1,000
<a href="#">Subalpine fir</a>	Replacement	81%	185	150	300
	Mixed	19%	800	500	>1,000

### California

- [California Woodland](#)
- [California Forested](#)

Vegetation Community ( <a href="#">Potential Natural Vegetation</a> Group)	Fire severity*	Fire regime characteristics			
		Percent of fires	Mean interval (years)	Minimum interval (years)	Maximum interval (years)
<b>California Woodland</b>					
<a href="#">California oak woodlands</a>	Replacement	8%	120		
	Mixed	2%	500		
	Surface or low	91%	10		
<a href="#">Ponderosa pine</a>	Replacement	5%	200		
	Mixed	17%	60		
	Surface or low	78%	13		
<b>California Forested</b>					
<a href="#">Aspen with conifer</a>	Replacement	24%	155	50	300
	Mixed	15%	240		
	Surface or low	61%	60		

<a href="#">California mixed evergreen</a>	Replacement	10%	140	65	700
	Mixed	58%	25	10	33
	Surface or low	32%	45	7	
<a href="#">Coast redwood</a>	Replacement	2%	≥1,000		
	Surface or low	98%	20		
<a href="#">Jeffrey pine</a>	Replacement	9%	250		
	Mixed	17%	130		
	Surface or low	74%	30		
<a href="#">Interior white fir (northeastern California)</a>	Replacement	47%	145		
	Mixed	32%	210		
	Surface or low	21%	325		
<a href="#">Mixed conifer (north slopes)</a>	Replacement	5%	250		
	Mixed	7%	200		
	Surface or low	88%	15	10	40
<a href="#">Mixed conifer (south slopes)</a>	Replacement	4%	200		
	Mixed	16%	50		
	Surface or low	80%	10		
<a href="#">Mixed evergreen-bigcone Douglas-fir (southern coastal)</a>	Replacement	29%	250		
	Mixed	71%	100		
<a href="#">Red fir-western white pine</a>	Replacement	16%	250		
	Mixed	65%	60	25	80
	Surface or low	19%	200		
<a href="#">Red fir-white fir</a>	Replacement	13%	200	125	500
	Mixed	36%	70		
	Surface or low	51%	50	15	50
<a href="#">Sierra Nevada lodgepole pine (cold wet upper montane)</a>	Replacement	23%	150	37	764
	Mixed	70%	50		
	Surface or low	7%	500		
<a href="#">Sierra Nevada lodgepole pine (dry subalpine)</a>	Replacement	11%	250	31	500
	Mixed	45%	60	31	350
	Surface or low	45%	60	9	350

Southwest					
<ul style="list-style-type: none"> <li><a href="#">Southwest Woodland</a></li> <li><a href="#">Southwest Forested</a></li> </ul>					
Vegetation Community ( <a href="#">Potential Natural Vegetation</a> Group)	Fire severity*	Fire regime characteristics			
		Percent of fires	Mean interval (years)	Minimum interval (years)	Maximum interval (years)
<b>Southwest Woodland</b>					
<a href="#">Bristlecone-limber pine (Southwest)</a>	Replacement	67%	500		
	Surface or low	33%	>1,000		
<a href="#">Madrean oak-conifer woodland</a>	Replacement	16%	65	25	

	Mixed	8%	140	5	
	Surface or low	76%	14	1	20
<a href="#">Mesquite bosques</a>	Replacement	32%	135		
	Mixed	67%	65		
<a href="#">Pinyon-juniper (mixed fire regime)</a>	Replacement	29%	430		
	Mixed	65%	192		
	Surface or low	6%	>1,000		
<a href="#">Pinyon-juniper (rare replacement fire regime)</a>	Replacement	76%	526		
	Mixed	20%	>1,000		
	Surface or low	4%	>1,000		
<a href="#">Ponderosa pine/grassland (Southwest)</a>	Replacement	3%	300		
	Surface or low	97%	10		
<a href="#">Riparian deciduous woodland</a>	Replacement	50%	110	15	200
	Mixed	20%	275	25	
	Surface or low	30%	180	10	
<b>Southwest Forested</b>					
<a href="#">Aspen, stable without conifers</a>	Replacement	81%	150	50	300
	Surface or low	19%	650	600	>1,000
<a href="#">Aspen with spruce-fir</a>	Replacement	38%	75	40	90
	Mixed	38%	75	40	
	Surface or low	23%	125	30	250
<a href="#">Lodgepole pine (Central Rocky Mountains, infrequent fire)</a>	Replacement	82%	300	250	500
	Surface or low	18%	>1,000	>1,000	>1,000
<a href="#">Ponderosa pine-Douglas-fir (southern Rockies)</a>	Replacement	15%	460		
	Mixed	43%	160		
	Surface or low	43%	160		
<a href="#">Ponderosa pine-Gambel oak (southern Rockies and Southwest)</a>	Replacement	8%	300		
	Surface or low	92%	25	10	30
<a href="#">Riparian forest with conifers</a>	Replacement	100%	435	300	550
<a href="#">Southwest mixed conifer (cool, moist with aspen)</a>	Replacement	29%	200	80	200
	Mixed	35%	165	35	
	Surface or low	36%	160	10	
<a href="#">Southwest mixed conifer (warm, dry with aspen)</a>	Replacement	7%	300		
	Mixed	13%	150	80	200
	Surface or low	80%	25	2	70
<a href="#">Spruce-fir</a>	Replacement	96%	210	150	
	Mixed	4%	>1,000	35	>1,000

## Great Basin

- [Great Basin Woodland](#)
- [Great Basin Forested](#)

Vegetation Community ( <a href="#">Potential Natural Vegetation</a> Group)	Fire severity*	Fire regime characteristics			
		Percent of fires	Mean interval (years)	Minimum interval (years)	Maximum interval (years)
<b>Great Basin Woodland</b>					
<a href="#">Juniper and pinyon-juniper steppe woodland</a>	Replacement	20%	333	100	≥1,000
	Mixed	31%	217	100	≥1,000
	Surface or low	49%	135	100	
<a href="#">Ponderosa pine</a>	Replacement	5%	200		
	Mixed	17%	60		
	Surface or low	78%	13		
<b>Great Basin Forested</b>					
<a href="#">Aspen with conifer (low to midelevations)</a>	Replacement	53%	61	20	
	Mixed	24%	137	10	
	Surface or low	23%	143	10	
<a href="#">Aspen with conifer (high elevations)</a>	Replacement	47%	76	40	
	Mixed	18%	196	10	
	Surface or low	35%	100	10	
<a href="#">Aspen-cottonwood, stable aspen without conifers</a>	Replacement	31%	96	50	300
	Surface or low	69%	44	20	60
<a href="#">Aspen, stable without conifers</a>	Replacement	81%	150	50	300
	Surface or low	19%	650	600	>1,000
<a href="#">Aspen with spruce-fir</a>	Replacement	38%	75	40	90
	Mixed	38%	75	40	
	Surface or low	23%	125	30	250
<a href="#">Douglas-fir (Great Basin, dry)</a>	Replacement	12%	90		600
	Mixed	14%	76	45	
	Surface or low	75%	14	10	50
<a href="#">Douglas-fir (interior, warm mesic)</a>	Replacement	28%	170	80	400
	Mixed	72%	65	50	250
<a href="#">Ponderosa pine-Douglas-fir</a>	Replacement	10%	250		≥1,000
	Mixed	51%	50	50	130
	Surface or low	39%	65	15	
<a href="#">Ponderosa pine, interior</a>	Replacement	5%	161		800
	Mixed	10%	80	50	80
	Surface or low	86%	9	8	10
<a href="#">Spruce-fir-pine (subalpine)</a>	Replacement	98%	217	75	300
	Mixed	2%	>1,000		



## Northern and Central Rockies

- [Northern and Central Rockies Woodland](#)
- [Northern and Central Rockies Forested](#)

Vegetation Community ( <a href="#">Potential Natural Vegetation</a> Group)	Fire severity*	Fire regime characteristics			
		Percent of fires	Mean interval (years)	Minimum interval (years)	Maximum interval (years)
	Mixed	50%	>1,000	500	>1,000
<b>Northern and Central Rockies Woodland</b>					
<a href="#">Ancient juniper</a>	Replacement	100%	750	200	≥1,000
<b>Northern and Central Rockies Forested</b>					
<a href="#">Douglas-fir (cold)</a>	Replacement	31%	145	75	250
	Mixed	69%	65	35	150
<a href="#">Douglas-fir (warm mesic interior)</a>	Replacement	28%	170	80	400
	Mixed	72%	65	50	250
<a href="#">Douglas-fir (xeric interior)</a>	Replacement	12%	165	100	300
	Mixed	19%	100	30	100
	Surface or low	69%	28	15	40
<a href="#">Grand fir-Douglas-fir-western larch mix</a>	Replacement	29%	150	100	200
	Mixed	71%	60	3	75
<a href="#">Grand fir-lodgepole pine-western larch-Douglas-fir</a>	Replacement	31%	220	50	250
	Mixed	69%	100	35	150
<a href="#">Lodgepole pine, lower subalpine</a>	Replacement	73%	170	50	200
	Mixed	27%	450	40	500
<a href="#">Lodgepole pine, persistent</a>	Replacement	89%	450	300	600
	Mixed	11%	>1,000		
<a href="#">Lower subalpine (Wyoming and Central Rockies)</a>	Replacement	100%	175	30	300
<a href="#">Mixed-conifer-upland western redcedar-western hemlock</a>	Replacement	67%	225	150	300
	Mixed	33%	450	35	500
<a href="#">Ponderosa pine (Black Hills, low elevation)</a>	Replacement	7%	300	200	400
	Mixed	21%	100	50	400
	Surface or low	71%	30	5	50
<a href="#">Ponderosa pine (Black Hills, high elevation)</a>	Replacement	12%	300		
	Mixed	18%	200		
	Surface or low	71%	50		
<a href="#">Ponderosa pine (Northern and Central Rockies)</a>	Replacement	4%	300	100	≥1,000
	Mixed	19%	60	50	200
	Surface or low	77%	15	3	30
<a href="#">Ponderosa pine (Northern Great Plains)</a>	Replacement	5%	300		
	Mixed	20%	75		

	Surface or low	75%	20	10	40
<a href="#">Ponderosa pine-Douglas-fir</a>	Replacement	10%	250		≥1,000
	Mixed	51%	50	50	130
	Surface or low	39%	65	15	
<a href="#">Western larch-lodgepole pine-Douglas-fir</a>	Replacement	33%	200	50	250
	Mixed	67%	100	20	140
<a href="#">Whitebark pine-lodgepole pine (upper subalpine, Northern and Central Rockies)</a>	Replacement	38%	360		
	Mixed	62%	225		
<a href="#">Upper subalpine spruce-fir (Central Rockies)</a>	Replacement	100%	300	100	600
<a href="#">Western redcedar</a>	Replacement	87%	385	75	≥1,000
	Mixed	13%	>1,000	25	

### Northern Great Plains

- [Northern Plains Woodland](#)

Vegetation Community ( <a href="#">Potential Natural Vegetation</a> Group)	Fire severity*	Fire regime characteristics			
		Percent of fires	Mean interval (years)	Minimum interval (years)	Maximum interval (years)
<b>Northern Plains Woodland</b>					
<a href="#">Great Plains floodplain</a>	Replacement	100%	500		
<a href="#">Northern Great Plains wooded draws and ravines</a>	Replacement	38%	45	30	100
	Mixed	18%	94		
	Surface or low	43%	40	10	
<a href="#">Oak woodland</a>	Replacement	2%	450		
	Surface or low	98%	7.5		

### Great Lakes

- [Great Lakes Woodland](#)
- [Great Lakes Forested](#)

Vegetation Community ( <a href="#">Potential Natural Vegetation</a> Group)	Fire severity*	Fire regime characteristics			
		Percent of fires	Mean interval (years)	Minimum interval (years)	Maximum interval (years)
<b>Great Lakes Woodland</b>					
<a href="#">Great Lakes pine barrens</a>	Replacement	8%	41	10	80
	Mixed	9%	36	10	80
	Surface or low	83%	4	1	20
<a href="#">Jack pine-open lands (frequent fire-return interval)</a>	Replacement	83%	26	10	100
	Mixed	17%	125	10	

<a href="#">Northern oak savanna</a>	Replacement	4%	110	50	500
	Mixed	9%	50	15	150
	Surface or low	87%	5	1	20
<b>Great Lakes Forested</b>					
<a href="#">Conifer lowland (embedded in fire-prone ecosystem)</a>	Replacement	45%	120	90	220
	Mixed	55%	100		
<a href="#">Conifer lowland (embedded in fire-resistant ecosystem)</a>	Replacement	36%	540	220	≥1,000
	Mixed	64%	300		
<a href="#">Eastern white pine-eastern hemlock</a>	Replacement	54%	370		
	Mixed	12%	>1,000		
	Surface or low	34%	588		
<a href="#">Great Lakes floodplain forest</a>	Mixed	7%	833		
	Surface or low	93%	61		
<a href="#">Great Lakes pine forest, eastern white pine-eastern hemlock (frequent fire)</a>	Replacement	52%	260		
	Mixed	12%	>1,000		
	Surface or low	35%	385		
<a href="#">Great Lakes pine forest, jack pine</a>	Replacement	67%	50		
	Mixed	23%	143		
	Surface or low	10%	333		
<a href="#">Great Lakes spruce-fir</a>	Replacement	100%	85	50	200
<a href="#">Maple-basswood</a>	Replacement	33%	≥1,000		
	Surface or low	67%	500		
<a href="#">Maple-basswood mesic hardwood forest (Great Lakes)</a>	Replacement	100%	>1,000	≥1,000	>1,000
<a href="#">Maple-basswood-oak-aspen</a>	Replacement	4%	769		
	Mixed	7%	476		
	Surface or low	89%	35		
<a href="#">Minnesota spruce-fir (adjacent to Lake Superior and Drift and Lake Plain)</a>	Replacement	21%	300		
	Surface or low	79%	80		
<a href="#">Northern hardwood-eastern hemlock forest (Great Lakes)</a>	Replacement	99%	>1,000		
<a href="#">Northern hardwood maple-beech-eastern hemlock</a>	Replacement	60%	>1,000		
	Mixed	40%	>1,000		
<a href="#">Oak-hickory</a>	Replacement	13%	66	1	
	Mixed	11%	77	5	
	Surface or low	76%	11	2	25
<a href="#">Pine-oak</a>	Replacement	19%	357		
	Surface or low	81%	85		
<a href="#">Red pine-eastern white pine (frequent fire)</a>	Replacement	38%	56		
	Mixed	36%	60		
	Surface or low	26%	84		
<a href="#">Red pine-eastern white pine (less frequent fire)</a>	Replacement	30%	166		
	Mixed	47%	105		

	Surface or low	23%	220		
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**Northeast**

- [Northeast Woodland](#)
- [Northeast Forested](#)

Vegetation Community ( <a href="#">Potential Natural Vegetation</a> Group)	Fire severity*	Fire regime characteristics			
		Percent of fires	Mean interval (years)	Minimum interval (years)	Maximum interval (years)

**Northeast Woodland**

<a href="#">Eastern woodland mosaic</a>	Replacement	2%	200	100	300
	Mixed	9%	40	20	60
	Surface or low	89%	4	1	7
<a href="#">Oak-pine (eastern dry-xeric)</a>	Replacement	4%	185		
	Mixed	7%	110		
	Surface or low	90%	8		
<a href="#">Pine barrens</a>	Replacement	10%	78		
	Mixed	25%	32		
	Surface or low	65%	12		
<a href="#">Rocky outcrop pine (Northeast)</a>	Replacement	16%	128		
	Mixed	32%	65		
	Surface or low	52%	40		

**Northeast Forested**

<a href="#">Appalachian oak forest (dry-mesic)</a>	Replacement	2%	625	500	≥1,000
	Mixed	6%	250	200	500
	Surface or low	92%	15	7	26
<a href="#">Beech-maple</a>	Replacement	100%	>1,000		
<a href="#">Eastern white pine-northern hardwood</a>	Replacement	72%	475		
	Surface or low	28%	>1,000		
<a href="#">Northern hardwoods (Northeast)</a>	Replacement	39%	≥1,000		
	Mixed	61%	650		
<a href="#">Northern hardwoods-eastern hemlock</a>	Replacement	50%	≥1,000		
	Surface or low	50%	≥1,000		
<a href="#">Northern hardwoods-spruce</a>	Replacement	100%	≥1,000	400	>1,000
<a href="#">Northeast spruce-fir forest</a>	Replacement	100%	265	150	300
<a href="#">Southeastern red spruce-Fraser fir</a>	Replacement	100%	500	300	≥1,000

## South-central US

- [South-central US Woodland](#)
- [South-central US Forested](#)

Vegetation Community ( <a href="#">Potential Natural Vegetation</a> Group)	Fire severity*	Fire regime characteristics			
		Percent of fires	Mean interval (years)	Minimum interval (years)	Maximum interval (years)
<b>South-central US Woodland</b>					
<a href="#">Interior Highlands dry oak/bluestem woodland and glade</a>	Replacement	16%	25	10	100
	Mixed	4%	100	10	
	Surface or low	80%	5	2	7
<a href="#">Interior Highlands oak-hickory-pine</a>	Replacement	3%	150	100	300
	Surface or low	97%	4	2	10
<a href="#">Mesquite savanna</a>	Replacement	5%	100		
	Mixed	4%	150		
	Surface or low	91%	6		
<a href="#">Oak-hickory savanna (East Texas)</a>	Replacement	1%	227		
	Surface or low	99%	3.2		
<a href="#">Oak woodland-shrubland-grassland mosaic</a>	Replacement	11%	50		
	Mixed	56%	10		
	Surface or low	33%	17		
<a href="#">Pine/bluestem</a>	Replacement	4%	100		
	Surface or low	96%	4		
<b>South-central US Forested</b>					
<a href="#">Cross Timbers</a>	Replacement	3%	170		
	Mixed	2%	250		
	Surface or low	94%	6		
<a href="#">Gulf Coastal Plain pine flatwoods</a>	Replacement	2%	190		
	Mixed	3%	170		
	Surface or low	95%	5		
<a href="#">Interior Highlands dry-mesic forest and woodland</a>	Replacement	7%	250	50	300
	Mixed	18%	90	20	150
	Surface or low	75%	22	5	35
<a href="#">Southern floodplain</a>	Replacement	42%	140		
	Surface or low	58%	100		
<a href="#">Southern floodplain (rare fire)</a>	Replacement	42%	≥1,000		
	Surface or low	58%	714		
<a href="#">West Gulf Coastal Plain pine (uplands + flatwoods)</a>	Replacement	4%	100	50	200
	Mixed	4%	100	50	

	Surface or low	93%	4	4	10
<a href="#">West Gulf Coastal Plain pine-hardwood woodland or forest upland</a>	Replacement	3%	100	20	200
	Mixed	3%	100	25	
	Surface or low	94%	3	3	5

### Southern Appalachians

- [Southern Appalachians Woodland](#)
- [Southern Appalachians Forested](#)

Vegetation Community ( <a href="#">Potential Natural Vegetation</a> Group)	Fire severity*	Fire regime characteristics			
		Percent of fires	Mean interval (years)	Minimum interval (years)	Maximum interval (years)
<b>Southern Appalachians Woodland</b>					
<a href="#">Appalachian shortleaf pine</a>	Replacement	4%	125		
	Mixed	4%	155		
	Surface or low	92%	6		
<a href="#">Oak-ash woodland</a>	Replacement	23%	119		
	Mixed	28%	95		
	Surface or low	49%	55		
<a href="#">Table Mountain pine-pitch pine</a>	Replacement	5%	100		
	Mixed	3%	160		
	Surface or low	92%	5		
<b>Southern Appalachians Forested</b>					
<a href="#">Appalachian oak forest (dry-mesic)</a>	Replacement	6%	220		
	Mixed	15%	90		
	Surface or low	79%	17		
<a href="#">Appalachian oak-hickory-pine</a>	Replacement	3%	180	30	500
	Mixed	8%	65	15	150
	Surface or low	89%	6	3	10
<a href="#">Appalachian Virginia pine</a>	Replacement	20%	110	25	125
	Mixed	15%	145		
	Surface or low	64%	35	10	40
<a href="#">Bottomland hardwood forest</a>	Replacement	25%	435	200	≥1,000
	Mixed	24%	455	150	500
	Surface or low	51%	210	50	250
<a href="#">Eastern hemlock-eastern white pine-hardwood</a>	Replacement	17%	≥1,000	500	>1,000
	Surface or low	83%	210	100	>1,000
<a href="#">Eastern white pine-northern hardwood</a>	Replacement	72%	475		
	Surface or low	28%	>1,000		
<a href="#">Mixed mesophytic hardwood</a>	Replacement	11%	665		
	Mixed	10%	715		
	Surface or low	79%	90		
<a href="#">Oak (eastern dry-xeric)</a>	Replacement	6%	128	50	100

	Mixed	16%	50	20	30
	Surface or low	78%	10	1	10
<a href="#">Southern Appalachian high-elevation forest</a>	Replacement	59%	525		
	Mixed	41%	770		

<b>Southeast</b>					
<ul style="list-style-type: none"> <li>• <a href="#">Southeast Woodland</a></li> <li>• <a href="#">Southeast Forested</a></li> </ul>					

Vegetation Community ( <a href="#">Potential Natural Vegetation</a> Group)	Fire severity*	Fire regime characteristics			
		Percent of fires	Mean interval (years)	Minimum interval (years)	Maximum interval (years)
<b>Southeast Woodland</b>					
<a href="#">Atlantic wet pine savanna</a>	Replacement	4%	100		
	Mixed	2%	175		
	Surface or low	94%	4		
<a href="#">Gulf Coast wet pine savanna</a>	Replacement	2%	165	10	500
	Mixed	1%	500		
	Surface or low	98%	3	1	10
<a href="#">Longleaf pine/bluestem</a>	Replacement	3%	130		
	Surface or low	97%	4	1	5
<a href="#">Longleaf pine (mesic uplands)</a>	Replacement	3%	110	40	200
	Surface or low	97%	3	1	5
<a href="#">Longleaf pine-Sandhills prairie</a>	Replacement	3%	130	25	500
	Surface or low	97%	4	1	10
<a href="#">Pine rocklands</a>	Mixed	1%	330		
	Surface or low	99%	3	1	5
<a href="#">Pond pine</a>	Replacement	64%	7	5	500
	Mixed	25%	18	8	150
	Surface or low	10%	43	2	50
<a href="#">South Florida slash pine flatwoods</a>	Replacement	6%	50	50	90
	Surface or low	94%	3	1	6
<b>Southeast Forested</b>					
<a href="#">Atlantic white-cedar forest</a>	Replacement	34%	200	25	350
	Mixed	8%	900	20	900
	Surface or low	59%	115	10	500
<a href="#">Coastal Plain pine-oak-hickory</a>	Replacement	4%	200		
	Mixed	7%	100		
	Surface or low	89%	8		
<a href="#">Loess bluff and plain forest</a>	Replacement	7%	476		

	Mixed	9%	385		
	Surface or low	85%	39		
<a href="#">Maritime forest</a>	Replacement	18%	40		500
	Mixed	2%	310	100	500
	Surface or low	80%	9	3	50
<a href="#">Mesic-dry flatwoods</a>	Replacement	3%	65	5	150
	Surface or low	97%	2	1	8
<a href="#">Sand pine scrub</a>	Replacement	90%	45	10	100
	Mixed	10%	400	60	
<a href="#">Southern floodplain</a>	Replacement	7%	900		
	Surface or low	93%	63		
<a href="#">South Florida coastal prairie-mangrove swamp</a>	Replacement	76%	25		
	Mixed	24%	80		