

Fields in FL Burn data

FIELD NAME	VALUES	NOTES
B2006 – B2018	0 or 1	Presence/absence of a burn in a given year (e.g., if B2006 has a value of 1, there was a fire in 2006)
FRQ	1-13	Number of times burned between 2006-2018
YLB	2006-2018	Year last burned (measured from 2019) between 2006-2018 (actual year)
TSPF	1-13	Time since previous fire (measured from 2019) between 2006-2018 (yrs)
LFFI	1-13	Longest Fire Free Interval (2006-2018) in yrs
GIS_AC	**	Total Acres of polygon
FIRE_BIN	**	Binary string used for processing
FIRE_DEC	**	Code from binary string used for processing
FIRE_COUNT	**	Code from binary string used for processing
FIRE_LAYERS	**	List of years that a location burned
<all other fields are for querying within database, but not given a value here>		

Fields in FL SEASONS Data

FIELD NAME	VALUES	NOTES
Gridcode06 – Gridcode18	0 or 1	Presence/absence of a burn in a given year (e.g., if gridcode06 has a value of 1, there was a fire in 2006)
TOY_06-TOY_18	Spring, Summer, Autumn, Winter	Time of Year a fire was first recorded in a given year (from acquisition date of first image registering fire)
TOY_Code06 – TOY_Code18	1-4	Time of Year Code
DG_06 – DG_18	Dormant, Growing	Dormant or Growing season for a given year
DG_Code06 – DG_Code18	1, 2	Dormant/Growing Code
FYEAR06 – FYEAR18	2006 - 2018	Year that fire occurred
BYR06 – BYR18	0 or 1	Presence/absence of a burn in a given year (e.g., if gridcode06 has a value of 1, there was a fire in 2006)
FIRE_BIN	**	Binary string used for processing
FIRE_DEC	**	Code from binary string used for processing
FIRE_COUNT	**	Code from binary string used for processing
FIRE_LAYERS	**	List of years that a location burned
DG_SEAS_BIN	**	String of all DG_Code<YR> used for processing
TSEAS_Lyr	**	List of order of seasonality that a location burned
DG_Lyr	**	List of order of growing/dormant seasons that a location burned
<all other fields are for querying within database, but not given a value here>		

Florida Cooperative Landcover Classifications site and state codes can be found online:

<https://myfwc.com/research/gis/applications/articles/cooperative-land-cover/>

Land Cover Class Code	Land Cover Class	Description	Acres
1880	Bare Soil/Clear Cut	Areas of bare soil representing recent timber cutting operations, areas devoid of vegetation as a consequence of recent fires, natural areas of exposed bare soil (e.g., sandy areas within xeric communities), or bare soil exposed due to vegetation removal for unknown reasons	31494
1700	Barren and Outcrop Communities	Small extent communities in karst features or on exposed limestone	507
22132	Basin Swamp	Typically large basin wetland with peat substrate; seasonally inundated; still water or with water output; Panhandle to central peninsula; occasional or rare fire; forest of cypress/tupelo/mixed hardwoods; pond cypress, swamp tupelo	192634
2231	Baygall	Slope or depression wetland with peat substrate; usually saturated and occasionally inundated; statewide excluding Keys; rare or no fire; closed canopy of evergreen trees; loblolly bay, sweetbay, swamp bay, titi, fetterbush	111861
1214	Coastal Scrub	This scrub category represents a wide variety of species found in the coastal zone. A few of the more common components are saw palmetto, sand live oak, myrtle oak, yaupon, railroad vine, bay bean, sea oats, sea purslane, sea grape, Spanish bayonet and prickly pear. This cover type is generally found in dune and white sand areas.	19554
1640	Coastal Strand	Stabilized coastal dune with sand substrate; xeric; peninsula; rare fire; marine influence; primarily dense shrubs; saw palmetto in temperate coastal strand or seagrass and/or saw palmetto in tropical coastal strand.	6703
1600	Coastal Uplands	Mesic or xeric communities restricted to barrier islands and near shore; woody or herbaceous vegetation; other communities may also occur in coastal environments	16570
1850	Communication	Airwave communications, radar and television antennas with associated structures are typical major types of communication facilities that will be identified in this category. When stations are associated with a commercial or governmental facility, they will be included in either of those specific categories when located within their bounds and will not be listed as separate elements.	4084
18331	Cropland/Pasture	Agricultural land which is managed for the production of row or field crops and improved, unimproved and woodland pastures.	1038495
5300	Cultural - Estuarine	Communities that are either created and maintained by human activities, or are modified by human influence to such a degree that the physical conformation of the substrate, or the biological composition of the resident community is substantially different from the character of the substrate or community as it existed prior to human influence.	5366

Code	Land Cover Class	Description	Acres
3200	Cultural - Lacustrine	Communities that are either created, and maintained by human activities, or are modified by human influence to such a degree that the trophic state, morphometry, water chemistry, or biological composition of the resident community are substantially different from the character of the lake community as it existed prior to human influence	414335
2400	Cultural - Palustrine	Communities that are both created and maintained by human activities, or are modified by human influence to such a degree that the physical conformation of the substrate, the hydrology, or the biological composition of the resident community is substantially different from the character of the substrate, hydrology, or community as it existed prior to human influence.	367976
4200	Cultural - Riverine	Communities that are either created and maintained by human activities, or are modified by human influence to such a degree that stream flow, morphometry, water chemistry, or the biological composition of the resident community are substantially different from the character of the stream community as it existed prior to human influence	79951
1800	Cultural - Terrestrial	Includes communities that are both created and maintained by human activities, or are modified by human influence to such a degree that the physical conformation of the substrate, or the biological composition of the resident community is substantially different from the character of the substrate or community as it existed prior to human influence.	19794
2211	Cypress	Dominated entirely by cypress, or these species important in the canopy; long hydroperiod.	637310
2210	Cypress/Tupelo (incl Cy/Tu mixed)	Dominated entirely by cypress or tupelo, or these species important in the canopy; long hydroperiod	92145
22131	Dome Swamp	Small or large and shallow isolated depression in sand/marl/limestone substrate with peat accumulating toward center; occurring within a fire-maintained community; seasonally inundated; still water; statewide excluding Keys; occasional or rare fire; forested, canopy often tallest in center; pond cypress, swamp tupelo.	48862
1310	Dry Flatwoods	Non-hydric flatwoods.	2459
1330	Dry Prairie	Flatland with sand soils over an organic or clay hardpan; mesic-xeric; central peninsula; annual or frequent fire (1-2 years); treeless with a low cover of shrubs and herbs; wiregrass, dwarf live oak, stunted saw palmetto, bottlebrush threeawn, broomsedge bluestem.	155891

Code	Land Cover Class	Description	Acres
5000	Estuarine	Deepwater tidal habitats and adjacent tidal wetlands that are usually semi-enclosed by land but have open, partly obstructed, or sporadic access to the ocean, with ocean-derived water at least occasionally diluted by freshwater runoff from the land. The upstream and landward limit is where ocean-derived salts measure less than .5 ppt during the period of average annual low flow. The seaward limit is (1) an imaginary line closing the mouth of a river, bay, or sound; and (2) the seaward limit of wetland emergents, shrubs, or trees when not included in (1)	1619174
7000	Exotic Plants	Upland and wetland areas dominated by non-native trees that were planted or have escaped and invaded native plant communities. These exotics include melaleuca, Australian pine, Brazilian pepper, and eucalyptus. This class includes sites known to be vegetated by non-native but for which the actual species composition could not be determined.	66089
1870	Extractive	Encompass both surface and subsurface mining operations. Included are sand, gravel and clay pits, phosphate mines, limestone quarries plus oil and gas wells. Industrial complexes where the extracted material is refined, packaged or further processed are also included in this category	256978
2123	Floodplain Marsh	Floodplain with organic/sand/alluvial substrate; seasonally inundated; Panhandle to central peninsula; frequent or occasional fire (ca. 3 years, much less frequent in freshwater tidal marshes); treeless herbaceous community with few shrubs; sawgrass, maidencane, sand cordgrass, and/or mixed emergents	49974
2215	Floodplain Swamp	Along or near rivers and streams with organic/alluvial substrate; usually inundated; Panhandle to central peninsula; rare or no fire; closed canopy dominated by cypress, tupelo, and/or black gum.	421270
2200	Freshwater Forested Wetlands	Floodplain or depression wetlands dominated by hydrophytic trees	2676694
2100	Freshwater Non-Forested Wetlands	Herbaceous or shrubby palustrine communities in floodplains or depressions; canopy trees, if present, very sparse and often stunted	138786
1822	High Intensity Urban	Residential density > 2 dwelling/acre, commercial, industrial, and institutional	2252895
1200	High Pine and Scrub	Hills with mesic or xeric woodlands or shrublands; canopy, if present, open and consisting of pine or a mixture of pine and deciduous hardwoods.	290829
2232	Hydric Hammock	Lowland with sand/clay/organic soil over limestone or with high shell content; mesic- hydric; primarily eastern Panhandle and central peninsula; occasional to rare fire; diamond-leaved oak, live oak, cabbage palm, red cedar, and mixed hardwoods.	240562

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183313	Improved Pasture	This category in most cases is composed of land which has been cleared, tilled, reseeded with specific grass types and periodically improved with brush control and fertilizer application. Water ponds, troughs, feed bunkers and, in some cases, cow trails are evident.	3056264
2121	Isolated Freshwater Marsh	--	276763
2213	Isolated Freshwater Swamp	--	74557
52111	Keys Tidal Rock Barren	Flatland with exposed limestone in supratidal zone; restricted to Keys; no fire; open, mainly herbaceous vegetation of upper tidal marsh species and stunted shrubs and trees; buttonwood, christmasberry, perennial glasswort, saltwort, seashore dropseed, shoregrass.	8519
3000	Lacustrine	Wetlands and deepwater habitats (1) situated in a topographic depression or dammed river channel; (2) lacking trees, shrubs, persistent emergents, emergent mosses, or lichens with greater than 30% areal coverage; and (3) whose total area exceeds 8 hectares (20 acres); or area less than 8 hectares if the boundary is active wave-formed or bedrock or if water depth in the deepest part of the basin exceeds 2 m (6.6 ft) at low water. Ocean- derived salinities are always less than .5 ppt.	388970
1821	Low Intensity Urban	Less than two dwelling units per acre. Areas of low intensity residential land use (generally less than one dwelling unit per five acres), such as farmsteads, will be incorporated into the rural structures category.	1302061
5250	Mangrove Swamp	Estuarine wetland on muck/sand/or limestone substrate; inundated with saltwater by daily tides; central peninsula and Keys; no fire; dominated by mangrove and mangrove associate species; red mangrove, black mangrove, white mangrove, buttonwood.	571710
6000	Marine	Open ocean overlying the continental shelf and coastline exposed to waves and currents of the open ocean shoreward to (1) extreme high water of spring tides; (2) seaward limit of wetland emergents, trees, or shrubs; or (3) the seaward limit of the Estuarine System, other than vegetation. Salinities exceed 30 parts per thousand (ppt).	7841740
1650	Maritime Hammock	Stabilized coastal dune with sand substrate; xeric-mesic; statewide but rare in panhandle and Keys; rare or no fire; marine influence; evergreen closed canopy; live oak, cabbage palm, red bay, red cedar in temperate maritime hammock; gumbo limbo, seagrape, and white or Spanish stopper in tropical maritime hammock.	29654
2120	Marshes	Long hydroperiod; dominated by grasses, sedges, broadleaf emergents, floating aquatics, or shrubs.	2435732

Land Cover Class Code	Land Cover Class	Description	Acres
1311	Mesic Flatwoods	Flatland with sand substrate; mesic; statewide except extreme southern peninsula and Keys; frequent fire (2-4 years); open pine canopy with a layer of low shrubs and herbs; longleaf pine and/or slash pine, saw palmetto, gallberry, dwarf live oak, wiregrass.	1325011
1120	Mesic Hammock	Flatland with sand/organic soil; mesic; primarily central peninsula; occasional or rare fire; live oak, cabbage palm, southern magnolia, pignut hickory, saw palmetto.	126285
1400	Mixed Hardwood-Coniferous	Mix of hardwood and coniferous trees where neither is dominant	1329657
3100	Natural Lakes and Ponds	Includes inland lakes and ponds in which the trophic state, morphometry, and water chemistry have not been substantially modified by human activities, or the native biota are dominant	550976
4100	Natural Rivers and Streams	Streams in which the stream flow, morphometry, and water chemistry have not been substantially modified by human activities, or the native biota are dominant.	80295
2300	Non-vegetated Wetland	Hydric surfaces on which vegetation is found lacking due to the erosional effects of wind and water transporting the surface material so rapidly that the establishment of plant communities is hindered or the fluctuation of the water surface level is such that vegetation cannot become established. Additionally, submerged or saturated materials often develop toxic conditions of extreme acidity. Intermittent ponds are the main components of this category	13828
18332	Orchards/Groves	This class is for active tree cropping operations that produce fruit, nuts, or other resources not including wood products	907991
18335	Other Agriculture	--	138533
2220	Other Coniferous Wetlands	Coniferous forested wetlands that are not dominated by cypress, tupelo, or a mix of cypress/tupelo	26800
2230	Other Hardwood Wetlands	Dominated by a mix of hydrophytic hardwood trees; cypress or tupelo may be occasional or infrequent in the canopy; short hydroperiod	23022
1340	Palmetto Prairie	These are areas in which saw palmetto is the most dominant vegetation. Common associates of saw palmetto in this cover type are fetterbush, tar flower, gallberry, wire grass and brown grasses. This cover type is usually found on seldom flooded dry sand areas. These treeless areas are often similar to the pine flatwoods but without the presence of pine trees.	21131
1300	Pine Flatwoods and Dry Prairie	Mesic pine woodland or mesic shrubland on flat sandy or limestone substrates, often with a hard pan that impedes drainage	105838
1320	Pine Rockland	Flatland with exposed limestone substrate; mesic-xeric; southern peninsula and Keys; frequent to occasional fire (3-7 years); open pine canopy with mixed shrubs and herbs in understory; south Florida slash pine, palms, mixed tropical and temperate shrubs, grasses, and herbs	16866

Land Cover Class Code	Land Cover Class	Description	Acres
2110	Prairies and Bogs	Short hydroperiod; dominated by grasses, sedges, and/or titi	1736441
4000	Riverine	All wetlands and deepwater habitats contained within a channel except those wetlands (1) dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) which have habitats with ocean-derived salinities in excess of .5 ppt.	164993
1130	Rockland Hammock	Flatland with limestone substrate; mesic; southern peninsula and Keys; rare or no fire; closed canopy of evergreen mixed tropical hardwoods; gumbo limbo, pigeon plum, stoppers.	19320
1830	Rural	--	1581448
5240	Salt Marsh	Estuarine wetland on muck/sand/or limestone substrate; inundated with saltwater by daily tides; statewide; occasional or rare fire; treeless, dense herb layer with few shrubs; saltmarsh cordgrass, needle rush, saltgrass, saltwort, perennial glasswort, seaside oxeye	378678
1670	Sand Beach (Dry)	Beaches are constantly affected by wave and tidal action. The fine clays and silts are washed away leaving sand. However, in protected bay and marsh areas, fine soil particles from surface drainage may settle out. The beach areas also are subject to water and wind erosion	24386
1213	Sand Pine Scrub	Found on ridges throughout the state; rare fire (20-80 years); canopy of sand pine and an understory of the three shrubby oaks, myrtle oak, Chapman's oak, sand live oak, or less commonly, Florida rosemary.	220967
1240	Sandhill	Upland with deep sand substrate; xeric; panhandle to central peninsula; frequent fire (1-3 years); open canopy of longleaf pine and/or turkey oak with wiregrass understory.	775755
1210	Scrub	Upland with deep sand substrate; xeric; statewide except extreme southern peninsula and Keys, mainly coastal in Panhandle; occasional or rare fire; open or dense shrubs with or without pine canopy; sand pine and/or scrub oaks and/or Florida rosemary.	159788
5252	Scrub Mangrove	Areas sparsely vegetated with small, stunted mangroves. Found in extreme south Florida only	42388
1312	Scrubby Flatwoods	Flatland with sand substrate; xeric-mesic; statewide except extreme southern peninsula and Keys; occasional fire (5-15 years); widely scattered pine canopy over saw palmetto and scrub oaks; longleaf pine, sand live oak, myrtle oak, Chapman's oak, saw palmetto, wiregrass.	93619

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1500	Shrub and Brushland	This association includes a variety of situations where natural upland community types have been recently disturbed through clear-cutting commercial pinelands, land clearing, or fire, and are recovering through natural successional processes. This type could be characterized as an early condition of old-field succession, and various shrubs, tree saplings, and lesser amounts of grasses and herbs dominate the community. Common species include wax myrtle, saltbush, sumac, elderberry, saw palmetto, blackberry, gallberry, fetterbush, staggerbush, broomsedge, dog fennel, together with oak, pine and other tree seedlings or saplings.	342184
1140	Slope Forest	Steep slope on bluff or in sheltered ravine within the Apalachicola drainage; sand/clay substrate; mesic-hydric; central panhandle; rare or no fire; closed canopy of mainly deciduous species; American beech, Florida maple, white oak, Ashe's magnolia, southern magnolia, spruce pine, Shumard's oak.	5875
2214	Strand Swamp	Broad, shallow channel with peat over mineral substrate; situated in limestone troughs; seasonally inundated; slow flowing water; vicinity of Lake Okeechobee southward in the central and southern peninsula; occasional or rare fire; closed canopy of cypress and mixed hardwoods; cypress, pond apple, strangler fig, willow, abundant epiphytes	44236
1833121	Sugarcane	--	618200
5220	Tidal Flat	A community of quiet waters, with substrates composed of silt or sand that is rich in organic matter and poorly drained at low tide. The substrate may be covered with algae	43950
1840	Transportation	Transportation facilities are used for the movement of people and goods. Highways include areas used for interchanges, limited access rights-of-way and service facilities. The Transportation category encompasses rail-oriented facilities including stations, round-houses, repair and switching yards and related areas. Airport facilities include runways, intervening land, terminals, service buildings, navigational aids, fuel storage, parking lots and a limited buffer zone and fall within the Transportation category. Transportation areas also embrace ports, docks, shipyards, dry docks, locks and water course control structures designed for transportation purposes. The docks and ports include buildings, piers, parking lots and adjacent water utilized by ships in the loading and unloading of cargo or passengers. Locks, in addition to the actual structures, include the control buildings, power supply buildings, docks and surrounding supporting land use (i.e., parking lots and green areas)	1610733
18333	Tree Plantations	--	4485132
9100	Unconsolidated Substrate	--	3050

Land Cover Class Code	Land Cover Class	Description	Acres
1720	Upland Glade	Upland with thin clay soils over limestone outcrops; hydric-xeric; central panhandle only; sparse mixed grasses and herbs with occasional stunted trees and shrubs that are concentrated around the edge; black bogrush, poverty dropseed, diamondflowers, hairawn muhly, Boykin's polygala, red cedar.	34
1110	Upland Hardwood Forest	Upland with sand/clay and/or calcareous substrate; mesic; Panhandle to central peninsula; rare or no fire; closed deciduous or mixed deciduous/evergreen canopy; American beech, southern magnolia, hackberry, swamp chestnut oak, white oak, horse sugar, flowering dogwood, and mixed hardwoods.	224388
1231	Upland Pine	Upland with sand/clay substrate; mesic-xeric; longleaf pine and/or loblolly pine and/or shortleaf pine.	164839
1860	Utilities	Include power generating facilities and water treatment plants including their related facilities such as transmission lines for electric generation plants and aeration fields for sewage treatment sites. Small facilities or those associated with an industrial, commercial or extractive land use are included within these larger respective categories.	113620
18334	Vineyard and Nurseries	Includes tree nurseries, sod farms, and three classes of ornamentals. Miscellaneous uses that would belong include vineyards and nurseries other than for trees.	135882
2221	Wet Flatwoods	Flatland with sand substrate; seasonally inundated; statewide except extreme southern peninsula and Keys; frequent fire (2-4 years for grassy wet flatwoods, 5-10 years for shrubby wet flatwoods); closed to open pine canopy with grassy or shrubby understory; slash pine, pond pine, large gallberry, fetterbush, sweetbay, cabbage palm, wiregrass, toothache grass.	761947
1150	Xeric Hammock	Upland with deep sand substrate; xeric; primarily eastern Panhandle to central peninsula; rare or no fire; closed canopy of evergreen hardwoods; sand live oak, saw palmetto.	24211

