

Plot and condition variables, Southern Forest Resource Assessment (SFRA) data base (DB), Georgia 1997.

Revised Draft: December 21, 2000 (1st Draft: December 12, 2000) by Vic Rudis, USDA-FS-SRS-FIA

Numbers reference the sequence order used with legacy southeast states 1984-1995 data.

Note that "condition" has been added as a subplot identifier for each data record.

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<u>Sequence</u>			
	SEFIA		
GA97	1984-95	SFRA DB	Brief description
1	1	RECTYP	Record type=20 Plot-level data
2	2	STATE	State Federal Information Processing Standard (FIPS) code
3	3	UNIT	USDA Forest Service, Forest Inventory and Analysis (FIA) Unit code
4	4	COUNTY	County FIPS code
5	5	PLTNUM	Plot number
6	--	CNDTN	Condition: 1 through 6, 0 if water
7	6	OWNER	Owner class as on the FIA Eastwide data base (EW), 0 otherwise
8	7	TYPCUR	Detailed forest type, same as on EW, 0 otherwise
9	8	TYPOLD	Detailed past forest type, same as on EW, 0 otherwise
10	9	STDAGE	Stand age, same as on EW, -9 otherwise
11	10	STDSIZE	Stand diameter (size) class as on EW, -9 otherwise
12	11	STORCUR	Stand origin as on EW, 0 otherwise
13	12	STOROLD	Stand origin prior survey as on EW, 0 otherwise
14	13	SITECL	Site productivity code 1 (highest) to 7 (lowest), 0 otherwise
15	14	SI	Site index
16	15	SIAGE	Site index base age
17	16	ADFOR	National Forest System (NFS) Administrative Code, 0 at present
18	17	GLUCUR	Ground Land Use: 20, 25, 40, 60, 91
19	18	GLUOLD	Ground Land Use prior survey as on EW, 0 otherwise
20	19	BA	Basal area in sq.ft/ac in 1.0+ inch dbh live trees, -9.9 otherwise
21	20	SLOPE	Percent slope, -9 otherwise
22	21	ASPECT	Aspect (0=level or flat when slope is 0), -9 otherwise
23	22	PHYSIO	Physiographic class, 0 otherwise
24	23	TREATOP	Treatment opportunity, codes 1-11, 0 otherwise
25	24	INHIBPC	Percent inhibiting vegetation, -9.9 otherwise
26	25	NONSTPC	Percent nonstocked, -9.9 otherwise
27	26	GRSTKPC	Percent growing stock stocking, -9.9 otherwise
28	27	ALSTKPC	Percent all live stocking, -9.9 otherwise
29	28	REMPER	Remeasurement period, years between surveys, -9.9 otherwise
30	29	EXPACR	Area (acres) expansion factor for earth cover
31	30	EXPVOL	Volume expansion factor, 0 for productive-reserved and nonforest earth cover
32	31	EXPGRO	Growth expansion factor for remeasured plots
33	32	EXPMOR	Mortality expansion factor for remeasured plots
34	33	EXPREM	Removals expansion factor for remeasured plots
35	34	LNG	Decimal degrees, 0.0 if no physical plot (record accounts for area only)
36	35	LAT	Decimal degrees, 0.0 if no physical plot (record accounts for area only)
37	36	MDATE	Date measured,YYMM, 0 if not known (MM=0 for these states)
38	37	PID	State*1000000+county*1000+pltnum
39	38	SDATE	Survey year
40	39	BCODE	Bailey Ecological Subregion 6-digit code, see SRS GTR-36
41	40	PRVNC	Province 3-digit code, see SRS-GTR-36
42	41	SECTN	Section 2-digit code, see SRS-GTR-36
43	42	POWNER	Owner class as on EW, prior survey, 0 otherwise
44	43	GLUCURX	Detailed land use, all plots
45	44	GLUOLDX	Detailed old land use, 0 at present
46	45	BA15	Basal area in sqft/ac in 15.0+ inch dbh live trees, -9.9 otherwise
47	46	SAP	Sapling density= trees/ac of 1.0 to 4.9 in trees, -9.9 otherwise
48	47	POLEHWD	Poletimber hwd density = trees/ac of 5.0 to 10.9 in hardwood trees, -9.9 otherwise



49	48	SAW	Sawtimber density = trees/ac of 11.0 to 20.9 inch dbh, -9.9 otherwise
50	49	SAWLG	Large sawtimber tree density = trees/ac of 20.9 inches and up dbh. -9.9 otherwise
51	50	SBE	Scenic beauty based on SAP, POLEHWD, SAW, -999.9 otherwise
52	51	SBE1	Scenic beauty, based on SAP, POLEHWD, SAW, and SAWLG, -999.9 otherwise. Note: SBE and SBE1 not calculated if no trees >1.0 in dbh are present
53	52	ACCPTNL	Access potential for building logging access roads: 1 (easy) to 4 (hard), -9 otherwise
54	53	RDDIS1	Distance (100s of ft) from nearest road, to 9,900 ft, -9 otherwise
55	54	ACCTRN	Terrain between plot and access road, for logging equipment: 0 to 5, -9 otherwise
56	55	OPERABLE	Operability for logging equipment, 1 to 7, -9 otherwise
57	56	CONDSZ	Size of condition: 1 to 999 acres, -9 otherwise
58	57	CONDSHP	Shape of condition: 1 to 6, -9 otherwise
59	58	NBRHDTYP	Neighborhood "landscape" type, landscape codes: 1 recreational, 2 high-density residential, 3 low-density residential, 4 agricultural, 5 forest, -9 otherwise
60	59	RSTSIGNX	Signs (posted, no trespass, or locked gate): 0 to 9, -9 otherwise
61	61	WETLAND	Wetland classes: 1 to 8, -9 otherwise
62	62	WTRTYP	Water type (temp. , perm., size) on plot: 0 (none) to 9 (other), -9 otherwise
63	63	WTRDIS1	Distance from permanent water to a distance of 999 feet, -9 otherwise (WTRDIS for southeast states 1984-95 is measured in 100s of feet, to 9900 ft.)
64	64	PCTFOR	Percent forest within 1/2 mi radius (500 ac), 1 to 99, -9 otherwise
65	66	TREATOP1	Treatment opportunity: 0 to 9 (SEFIA codes) , -9 otherwise
66	67	TRT1	Primary "significant" treatment: 0 (none) to 9 (other), -9 otherwise
67	68	TRT2	Second significant treatment: 0 (none) to 9 (other), -9 otherwise
68	69	TRT3	Third significant treatment: 0 (none) to 9 (other), -9 otherwise
69	70	DSTRB	Past disturbance/change: 0 (none) to 8 (other), 9 (reversion), -9 otherwise
70	71	BURNWILD	Significant fire disturbance: 0 (none), 1 (dstrb=3 wildfire), -9 otherwise
71	72	BURNMGT	Significant fire disturbance: 0 (none), 1 (dstrb=6 prescribed fire), -9 otherwise
72	73	BURN1	Burn evidence: 0 (none), 1 (dstrb=3 or 6), -9 otherwise
73	74	LVSTKDRB	Significant livestock disturbance: 0 (none), 1 (dstrb=7 grazing), -9 otherwise
74	80	WLDCOVER	Wildlife cover: 0 to 9, -9 otherwise
75	81	SEASON	Season: 1 (growing), 2 (dormant), -9 otherwise.
76	85	STEXTURE	Soil texture: 1 sand, 2 sandy loam, 3 loam, clay loam, 5 clay, -9 otherwise
77	86	EROSNINT	Erosion intensity: 0 (none) to 3 (high), -9 otherwise
78	89	HUC	8-digit hydrologic unit code
			Selected invasive exotics:
79	90	lonjap	Japanese honeysuckle: 0 absent, 1 present, -9 otherwise
80	91	puelob	Kudzu: 0 absent, 1 present, -9 otherwise
81	92	ligspp	Privet spp.: 0 absent, 1 present, -9 otherwise
82	93	rosspp	Wild rose: 0 absent, 1 present, -9 otherwise
83	94	ailspp	Ailanthus spp.: 0 absent, 1 present, -9 otherwise
84	95	pautom	Paulownia tomentosa: 0 absent, 1 present, -9 otherwise
85	96	melqui	Melaleuca: 0 absent, 1 present, -9 otherwise
			NBR1 - NBR4 are proximity of 1st through 4th nearest nonforest land use.
86	97	NBR1	Neighborhood land use nearest the plot, 0 if >9900 ft, -9 otherwise
87	98	NBR1DIS	Distance from NBR1, 1 to 99, in 100s of ft, -9 otherwise
88	99	NBR2	Neighborhood land use, 2nd nearest the plot, 0 if >9900 ft, -9 otherwise
89	100	NBR2DIS	Distance from NBR2, 1 to 99, in 100s of ft, -9 otherwise
90	101	NBR3	Neighborhood land use, 3rd nearest the plot, 0 if >9900 ft, -9 otherwise
91	102	NBR3DIS	Distance from NBR3, 1 to 99, in 100s of ft, -9 otherwise
92	103	NBR4	Neighborhood land use, 4th nearest the plot, 0 if >9900 ft, -9 otherwise
93	104	NBR4DIS	Distance from NBR4, 1 to 99, in 100s of ft, -9 otherwise
			Variables below are derived from NBR1-NBR4 and NBR1DIS-NBR4DIS, and a code beyond a 5300 ft threshold (WTR3DIS, 1600 ft) .
94	105	RD1DIS	Distance from major highways, 1 to 53, in 100s of ft, 76 is >5300 ft, -9 otherwise
95	106	RD2DIS	Distance from other roads, 100s of ft, 1 to 53, in 100s of ft, 76 is >5300 ft, -9 otherwise
96	107	RD3DIS	Distance from roads (min [RD1DIS, RD2DIS])
97	108	URB1DIS	Distance from "urban buildup" 1 to 53, in 100s of ft, 76 is >5300 ft, -9 otherwise

98	109	URB3DIS	Distance from urban (min[URB1DIS, RD1DIS])
99	110	AGR1DIS	Distance from agricultural land, 1 to 53, in 100s of ft, 76 is >5300 ft, -9 otherwise
100	111	WTR1DIS	Distance from lake or seashore, 1 to 53, in 100s of ft, 76 is >5300 ft, -9 otherwise
101	112	WTR2DIS	Distance from river or streams, 1 to 53, in 100s of ft, 76 is >5300 ft, -9 otherwise
102	113	WTR3DIS	Distance from water (min [WTR1DIS, WTR2DIS]) to 1600 ft, 17 is >1600 ft, -9 otherwise
103	114	ROWDIS	Distance from right-of-ways in 100s of ft, to 5300 ft, 76 is >5300 ft, -9 otherwise
104	115	OTHDIS	Distance from other land, 1 to 53, in 100s of ft, 76 is >5300 ft, -9 otherwise

Documentation on added nontimberland proximity variables:

Derived from

Variable NBR, coded Brief description: Distance from ... to 5300 ft unless noted.

RD1DIS	7	Major highway
RD2DIS	8	Other road
RD3DIS	7,8	Major highway or other road
URB1DIS	1	Urban use
URB3DIS	1,7	Urban or built-up land
AGR1DIS	5	Agricultural land
WTR1DIS	2	Water body (lake, seashore) >30 ft wide
WTR2DIS	3	Water course (river, stream) >30 ft wide
WTR3DIS	2,3	Water body or water course >30 ft wide. Distance to 1600 ft.
ROWDIS	9	Right-of-way

NBR Land use or cover (no size limitation unless noted) class used with NBR1 through NBR4:

Code Land use/cover description

1	Urban use -- urban buildup (sic): residential, industrial, recreation developments, and strip mining operations. Includes areas with concentrations of houses, cabins, or vacation homes.
2	Lake, seashore -- >30 ft wide. including inlets, necks and coves attached to larger bodies of open water
3	River, stream -- >30 ft wide, including canals, and "within the influence zone of the forest location."
4	Reserved timberland -- including parks and campgrounds not considered "urban buildup."
5	Agricultural land -- cropland, improved pasture, idle farmland, other farmland.
6	Other land -- marsh, natural rangeland, and unproductive forest land
7	Major highway -- interstate and other U.S. highway, or heavily-traveled state road.
8	Other roads -- other state and county, or well-maintained road.
9	Right-of-way -- for powerline, railroad, gasline, etc.