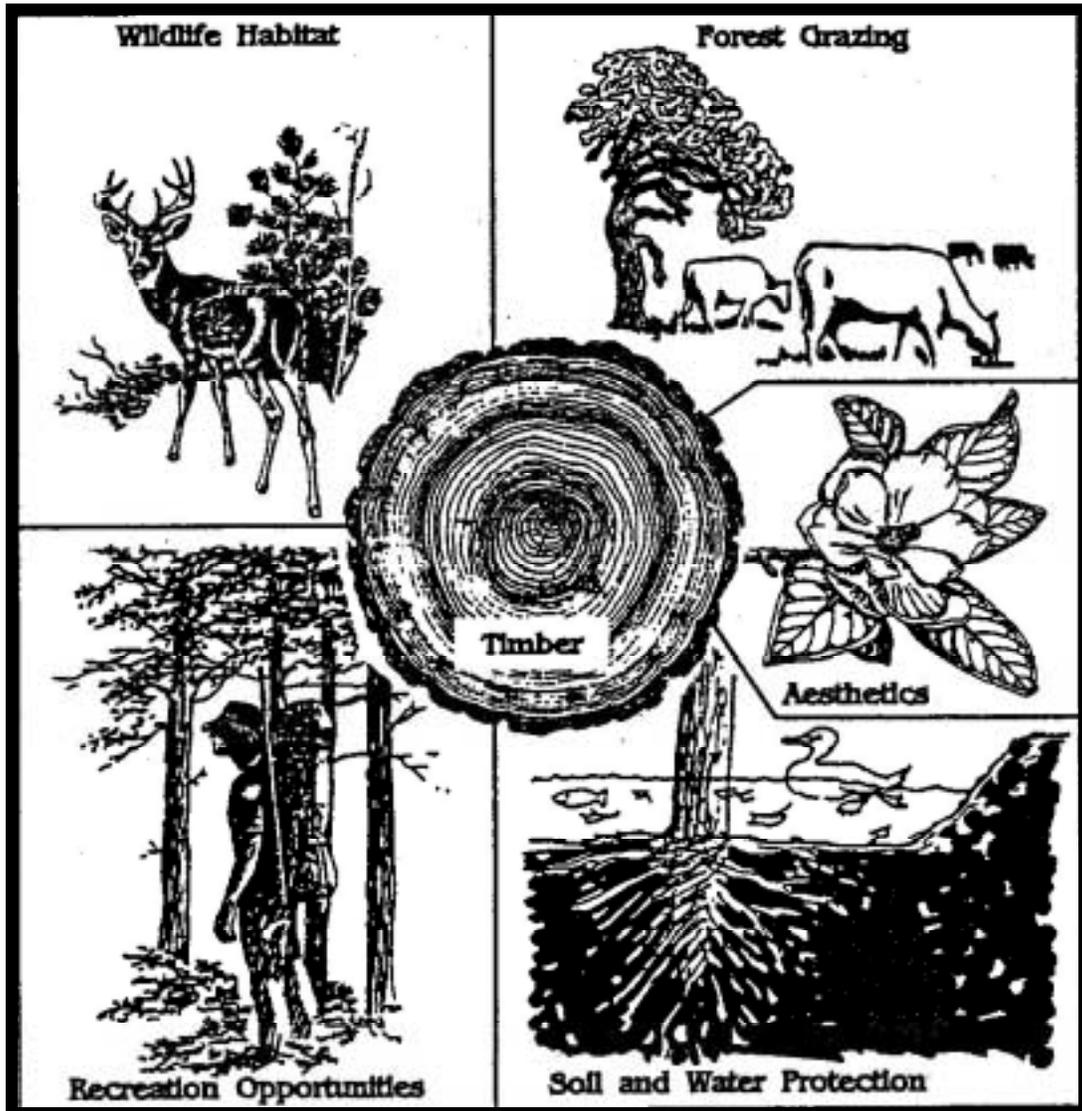


The extended eastwide forest inventory data base: South Central U.S., 1982-1995

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Comments, revisions, corrections appreciated.
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EXTENDED EASTWIDE DATA AND VARIABLES

Introduction

The data documentation below incorporates traditional timber variables with coded observations on nontraditional and nonstandard variables for each plot location in South Central States for 1982 through 1995 surveys: Alabama 1982, 1990; Arkansas 1988, 1995; Louisiana 1984, 1991; Mississippi 1987, 1994; east Oklahoma 1986, 1993; Tennessee 1989; east Texas 1986, 1992.

Attributes included in the EastWide Extended (EWEX) Forest Inventory and Analysis (FIA) data include landscape context, disturbances associated with the location, and human intrusions omitted from the standard EastWide (EW) FIA data due to varying procedures among Northeastern, North Central, Southeastern, and South Central portions of the eastern United States. Many of these features serve as indicators of resource availability, supply, and use for timber as well as aesthetics, livestock grazing, recreation opportunities and wildlife habitats. Context items include forest fragment size, distance from nonforest features, and access restrictions. Distance from roads and urban areas can be used to address the resource's physical access; restriction signs help analysts guess whether that resource is available. Distance from water may be incorporated with slope, harvesting, and data from other sources (e.g., soils) to address water quality and erosion potential. Location-based disturbances include evidence of fire, grazing, management, harvesting, and human intrusions. Such disturbances and intrusions suggest the intensity of production, demand, and supply.

The documentation contained herein assumes users already have a copy of Hansen, Mark H.; Frieswyk, Thomas; Glover, Joseph F.; Kelly, John F. 1992. The Eastwide forest inventory data base: users manual. Gen. Tech. Rep. NC-151. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station. 48 p. (hereinafter referenced as GTR-NC-151).

Comparisons with Eastwide Data

The EWEX data contain individual records for each surveyed plot to permit analysis of a wide variety of resource issues. Additional records have been added to account for nontimberland plots. Plot numbers remain the same for timberland, however, so users may still match the EWEX data with the EW tree records, a.k.a. "record type 30."

For nontimberland ($glucur=25$ and 40) and nonforest ($glucur\geq 60$) surveyed plots, tree records may not exist in the EW data sets. Observations for nonforests are included in EWEX by plot—in many cases for the first time. For this reason, location numbers in EW plot records may not coincide with EWEX. In the EW, the plot records that will invariably not match will be those with plot record with $PLTNUM>500$.

Observations for nontimberland forests, i.e., productive-reserved (e.g., wilderness, parks) and other forest land (woodland in early reports, a.k.a., unproductive forest land) are included if available. Prior to 1994, field observations for forested nontimberland varied by State. For example, Arkansas's 1988 and 1995 surveys, Oklahoma's 1993 survey and east Texas' 1992 survey contain nearly complete tree and plot information on nontimberland, but other surveys conducted prior to 1992 do not.

EastWide Extended Plot Variables

Variables in EWEX are numbered 1 through 79, along with suggested acronyms. Values exist for nearly all plots, regardless of ground land use ($glucur$), for variables 1-5, 17, 18, 34, 35, 37-41, 45, 46, 79. Values exist for all $glucur=20$ Timberland, some 25 Productive-Reserved, and most 40 Other Forest. Values are missing for the remaining variables on nonforest land.

Documentation for EW items 1 through 36 appears in GTR-NC-151 for Record Type 20 (plot) variables. These items 1 through 36 are the same for South Central States. Following that are notes that describe additional details specific to EWEX.

Items 1 through 36, EW and EWEX

Sequence	Acronym	Coverage	Brief description
1	RECTYP	all	Record type=20 Plot-level data
2	STATE	all	State FIPS (Federal Information Processing Standard) code
3	UNIT	all	FIA (Forest Inventory and Analysis) Unit code
4	COUNTY	all	County FIPS code
5	PLTNUM	all	Plot number
6	OWNER		Owner class as on EW, 0 otherwise
7	TYPCUR		Detailed forest type, same as on EW, 0 otherwise
8	TYPOLD		Detailed past forest type, same as on EW, 0 otherwise
9	STDAGE		Stand age, same as on EW, -9 otherwise
10	STDSIZE		Stand diameter (size) class as on EW, -9 otherwise
11	STORCUR		Stand origin as on EW, 0 otherwise
12	STOROLD		Stand origin prior survey as on EW, 0 otherwise
13	SITECL		Site productivity code 1 (highest) to 7 (lowest), 0 otherwise
14	SI	none	Site index, 0 for all South Central States prior to 1999
15	SIAGE	none	Site index base age, 0 for all South Central States prior to 1999
16	ADFOR	none	NFS Administrative Code, 0 at present
17	GLUCUR	all	Ground Land Use: 20, 25, 40, 60, 91
18	GLUOLD		Ground Land Use prior survey as on EW, 0 otherwise
19	BA		Basal area in sq.ft/ac in 1.0+ in dbh live trees, -9.9 otherwise
20	SLOPE		Percent slope, -9 otherwise
21	ASPECT		Aspect (0=level or flat when slope is 0), -9 otherwise
22	PHYSIO		Physiographic class, 0 otherwise
23	TREATOP		Treatment opportunity, codes 1-11, 0 otherwise
24	INHIBPC		Percent inhibiting vegetation, -9.9 otherwise
25	NONSTPC		Percent nonstocked, -9.9 otherwise
26	GRSTKPC		Percent growing stock stocking, -9.9 otherwise
27	ALSTKPC		Percent all live stocking, -9.9 otherwise
28	REMPER		Remeasurement period, years between surveys, -9.9 otherwise
29	EXPACR		Land area (acres) expansion factor, 0 if nonland (census water) earth cover
30	EXPVOL		Volume expansion factor, 0 for productive-reserved and nonforest earth cover
31	EXPGRO		Growth expansion factor for remeasured plots
32	EXPMOR		Mortality expansion factor for remeasured plots
33	EXPREM		Removals expansion factor for remeasured plots
34	LNG		Decimal degrees, 0.0 if no physical plot (record accounts for area only) 
35	LAT		Decimal degrees, 0.0 if no physical plot (record accounts for area only)
36	MDATE		Date measured, MMY, 0 if not known

Additional Notes for Items 1 through 36 for EWEX, the extended eastwide data:

Number	Acronym	Brief Description
17	GLUCUR	Land use: 20Timberland, 25ProdReserved, 40Woodland, 60Nonforest, 91CensusWater GLUCURX is the same, but with more detail for Nonforest.
18	GLUOLD	Land use prior survey: 20Timberland, 25ProdReserved, 40Woodland, 60Nonforest, 91CensusWater, 0 otherwise GLUOLDX is the same, but with more detail for Nonforest

- 29 **EXPACR** Land acres. 0 if census water. Since 1989, derived from **plots.exp, supplemented with **plot.expacr (EW) for pltnum=799, and al82 and la84 paper records for productive-reserved acreage. For 1982-1988 surveys, nonforest land expansion factors were recalculated using **plots.pguse (past ground use) and 1980 U.S. census estimates of county area
- 30 **EXPVOL** Volume expansion factor, which is the same as EXPACR in South Central states, 1982-1995 for timberland, and 0 for nonforest earth cover. Value=0 for nontimberland (productive-reserved and other forest[woodland]). Exceptions are when archives yielded corresponding tree and plot records on nontimberland (AR95, AR88, MS94, MS87, OK93, OK86, TX86, TX92)

List and Details of Items 37 through 79: the “added” variables in EWEX

Number	Acronym	Description
37	PID	Plot identification code; combination of state*1000000+county*1000+pltnum (sscccppp) Use for matching data sets that are being cross referenced; can be used for both plot and tree level data.
38	SDATE	Survey year 1990; 1982 Alabama 1988; 1995 Arkansas 1991**; 1984* Louisiana 1994; 1987 Mississippi 1993; 1986 east Oklahoma 1989 Tennessee 1992; 1986 east Texas *Only Southeast Unit contains nontraditional (OFR) variables. ** 5 coastal parishes with no surveys
39	BCODE	Bailey code (MPPPSS) where M=1 nonmountain, 2=mountain province, P=ecological province, S=ecological section, as listed in GTR-SRS-36: Rudis, V.A. 1999. Ecological subregion codes by county, coterminous United States. A technical document supporting the 2000 USDA Forest Service RPA Assessment. Gen. Tech. Rep. SRS-36. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. 95 p.
40	PRVNC	Ecological province as listed in GTR-SRS-36
41	SECTN	Ecological section as listed in GTR-SRS-36
42	POWNER	Past owner, as listed in GTR-NC-151, 0 otherwise
43	TYPAGE	Type of age class, 0=even-aged, 1=mixed age, -9 otherwise
44	STDAGEH	Stand age: field-based even-aged and model-based even-aged for “mixed age” stands on timberland plots, -9 otherwise. The model uses the program “RPAAGE” on file at the Starkville FIA Unit. The program computes the age of mixed-aged stands in 5-year age classes based on the relationship “age=f(volume/acre).” The model is calibrated from RPA yield tables. Notes for east Texas 1986 and east Oklahoma surveys: all were estimated as an arithmetic average of 5 dominant trees at 5 points within a 10-point (1 acre) cluster plot.
45	GLUCURX	Ground land use, current survey. (Detailed version of GLUCUR): 20 Commercial forest land

	25	Productive reserved forest
	40	Other forest land (timber productivity <20 cubic feet/acre/year)
	61	Cropland
	62	Improved pasture
	63	Natural rangeland
	64	Idle farmland
	66	Other farmland
	67	Urban & other
	68	Marsh
	91	Census water
	92	Noncensus water
	99	Inaccessible
46	GLUOLDX	Ground land use, prior survey. (Detailed version of GLUOLD):
	20	Commercial forest land
	25	Productive reserved forest
	40	Other forest land (timber productivity <20 cubic feet/acre/year)
	61	Cropland
	62	Improved pasture
	63	Natural rangeland
	64	Idle farmland
	66	Other farmland
	67	Urban & other
	68	Marsh
	91	Census water
	92	Noncensus water
	99	Inaccessible
	0	No information or missing
47	BA15	Basal area in sqft/ac in 15.0+ in dbh live trees, -9.9 otherwise
48	SAP	Sapling density This is trees/ac of 1.0 to 4.9 in trees, -9.9 otherwise
49	POLEHWD	Poletimber hardwood density This is trees/ac of 5.0 to 10.9 in hardwood trees, -9.9 otherwise
50	SAW	Sawtimber density This is trees/ac of 11.0 to 20.9 in dbh, -9.9 otherwise
51	SAWLG	Large sawtimber tree density This is trees/ac of 20.9 and up dbh. -9.9 otherwise

Items 52 and 53 reference a model to compute scenic beauty from FIA data.

Details are documented in Rudis, V.A.; Gramann, J.H.; Ruddell, E.J.; Westphal, J.M. 1988. Forest inventory and management-based visual preference models of southern pine stands. Forest Science 34: 846-863.

52	SBE	Scenic beauty score, calculated as below, -999.9 otherwise $-13.56 - 0.02*SAP + 0.14*POLEHWD + 0.38*SAW$
53	SBE1	Scenic beauty score, $SBE + 0.70*SAWLG$, -999.9 otherwise Note: SBE and SBE1 not calculated if $(SAP+POLEHWD+SAW+SAWLG)=0$
54	FORSZ	Size of contiguous forest area (Forest fragment size class)

Boundaries are nonforest areas, including public roads, railroad tracks, fields, pastures, urban areas, waterways exceeding 120 feet in width, etc. Pipe lines and power lines are not considered limiting. Ownership boundaries are not considered limiting.

5	1-10 acres
30	10-50 acres
75	50-100 acres.
300	100-500 acres
1500	500-2500 acres
3750	2500-5000 acres
8210	5000 acres or more
-9	No observation

55 **RDDIS** Distance from roads

Estimated distance from the plot center to the nearest all-weather road (improved and maintained) or unimproved road. Unimproved roads are either currently truck operable or prospectively so, with minimum improvement such as blown-down tree removal.

1982 (AL) survey:

1	0.1 miles or less
2	0.2 miles
3	0.3 miles
4	0.4 miles
5	0.5 miles
6	0.6 miles
7	0.7 miles
8	0.8 miles
9	0.9 miles
0	1 mile or more
-9	No observation: nonforest or missing

1984 (LA) and later surveys:

01-53	100-5300 feet
75	1 mile (5300 ft.) to 3 miles
99	3 miles or more
-9	No observation: nonforest or missing

56 **AGRDIS** Distance from agricultural land

Agricultural land. - Agricultural land is land used primarily for the production of crops or livestock. Included in proximity (nontimber) estimates are areas 10 acres or more in size, such as cropland and pasture, nurseries, vineyards, orchards, confined feeding areas, or horse farms.

AL 1982 survey recorded to nearest 500 feet; codes below for 500 foot midpoints are used (3, 8, 13, 18, 23, 28, 33, 38, and 43), and 88 > 4,500 feet

LA 1984 and later surveys:
Exact distance rounded to nearest hundred feet

1	33-149 feet
2	150-249 feet
3	250-349 feet
.	.
.	.
50	4950-5049 feet
51	5050-5149 feet
52	5150-5249 feet

- 53 5250-5300 feet (1 mile)
- 99 None within 1 mile (5300 feet)
- 9 No observation: nonforest or missing

57 **URBDIS** Distance from urban land

Urban or built-up land. - Urban or built-up land is land comprised of areas of intensive human use with much of the land covered by man-made structures. Included in proximity (nontimber) estimates are areas 10 acres or more in size, such as towns, villages, strip developments along highways, power and communication facilities, institutions, and industrial complexes.

AL 1982 survey recorded to nearest 500 feet
 And codes below for 500-foot midpoints are used
 (3, 8, 13, 18, 23, 28, 33, 38, and 43), and
 88 > 4,500 feet

- LA 1984 and later surveys:
 Exact distance rounded to nearest hundred feet
- 1 33-149 feet
 - 2 150-249 feet
 - 3 250-349 feet
 - .
 - .
 - .
 - 50 4950-5049 feet
 - 51 5050-5149 feet
 - 52 5150-5249 feet
 - 75 > 1 mile (5300 feet) to 3 miles
 - 99 None within 3 miles
 - 9 No observation: nonforest or missing

58 **WTRSZ** Size of largest water body

Edge of water body is within the selected distance from plot center.

- 1 1/8 to 1 acre I size; or courses 40-120 feet wide
- 2 Noncensus water (1-40 acres; 120 feet - 1/8 mile wide)
- 3 Census water (> 40 acres; > 1/8 mile wide)
- 9 No permanent water within 1,600 feet
- 9 No observation: nonforest or missing

59 **WTRDIS** Distance from water body coded in WTRSZ.

- AL 1982 survey:
- 1 0 - 200 feet
 - 2 201 - 400 feet
 - 3 401 - 600 feet
 - 4 601 - 800 feet
 - 5 801 - 900 feet
 - 88 > 900 feet
 - 9 No observation: nonforest or missing
- LA 1984 and later surveys:
- 1 0 - 200 feet
 - 2 201 - 400 feet
 - 3 401 - 600 feet
 - 4 601 - 800 feet

- 5 801 - 1000 feet
- 6 1001 - 1200 feet
- 7 1201 - 1400 feet
- 8 1401 - 1600 feet
- 9 None within 1600 feet
- 9 No observation: nonforest or missing

60 **WTRPLT** Water on the forested plot

Generally, these are wetlands, i.e., land transitional between terrestrial and aquatic systems with the water table at or near the surface. (Compare with Southeast “wetlands”). Record the principal (largest) water source if there are two or more sources.

- 1 Swamp
- 2 Pond
- 3 Permanent stream or small creek (not used for AL 1982)
- 4 Temporary stream, creek, drainage ditch
(not used for AL 1982 survey)
- 5 Stream (AL 1982 survey only)
- 8 Other
- 9 None on plot
- 9, 0 No observation: nonforest or missing

61 **HNTSIGNX** Hunting signs.

Restricted hunting sign encountered on the way to the plot and within ¼ mile of the plot center. Given a choice of two or more signs within plot vicinity, record the sign most closely associated with the plot.

AL 1982 survey: (at present, missing from archives)

- 1 Hunting restricted
- 2 No hunting
- 3 Other restrictions
- 4 Combination of 1 and 2
- 5 Combination of 2 and 3
- 6 No trespassing or keep out signs
- 9 None within 1320 feet (1/4 mile)
- 9, 0 No observation: nonforest or missing

LA 1984 and later surveys:

- 1 “No hunting”
- 2 Hunting restricted, “posted,” or hunting club (priority)
- 9 None within 1320 feet (1/4 mile)
- 9, 0 No observation: nonforest or missing

62 **OTSIGNX** Other signs, referencing restricted activities.

Restricted activity sign (other than hunting) encountered on the way to the plot and within ¼ mile of the plot center. Given a choice of two or more signs within plot vicinity, record the sign most closely associated with the plot.

LA 1984 and later surveys only:

- 1 No trespassing or keep out (priority)
- 2 Activities restricted
- 9 None within 1320 feet (1/4 mile)
- 9, 0 No observation: nonforest or missing

63 **FENCEX** Fencing (note: compare with Southeast U.S. livestock fencing)

The height and suitability of fencing observed closest to and within ¼ mile of plot center. Suitability is for livestock grazing. Visible fence perimeter should not be in need of repair to be functional.

- 1 Greater than 6 feet high
- 2 4 1/2 - 6 feet high
- 3 Less than 4 1/2 feet high; suitable for livestock
(not used for AL 1982)
- 4 Less than 4 1/2 feet high; unsuitable for livestock
(not used for AL 1982)
- 8 Less than 4 1/2 feet high; all conditions (used for
AL 1982 survey only)
- 9 None within 1320 feet (1/4 mile)
- 9, 0 No observation: nonforest or missing

64 **RDTYPE** Access condition

Type of road or trail with the greatest ease of movement within a ¼ mile radius of plot center. If more than one condition, record the lowest numbered code.

- 1 Paved road
- 2 Dirt or gravel road, suited for 2-wheel drive vehicles
- 3 Right-of-way or not suited for 2-wheel drive vehicles
- 4 Trail or road not suited for 4-wheel drive vehicles
- 9 None within 1320 feet (1/4 mile)
- 9, 0 No observation: nonforest or missing

65 **TRDUSEX** Trail or road use

- 1 Recent use - road
- 2 Recent use - trail
- 3 No recent use - road
- 4 No recent use - trail
- 9 No trails or roads on plot
- 9, 0 No observation: nonforest or missing

66 **LVSTKX** Livestock use

- 1 Cattle sighted
- 2 Other livestock sighted
- 3 Cattle and other livestock sighted
- 4 Tracks
- 5 Dung
- 6 Trails
- 8 Other evidence
- 9 No evidence on plot
- 9, 0 No observation: nonforest or missing

67 **BURNX** Burn history

- AL 1982 survey:
- 1 Within 3 years
 - 4 3 years or more
 - 9 No evidence on plot
 - 9, 0 No observation: nonforest or missing

- LA 1984 and later surveys:
- 1 Recent (1-2 years)
 - 2 3 years or more to previous survey
 - 3 Older than prior survey

- 9 No evidence on plot
- 9, 0 No observation: nonforest or missing

68 **HRVX** Harvesting activity

This variable describes crop tree removals since the last survey. Precommercial and poletimber thinnings are not included; also, single tree selection harvesting is not included.

- 1 Partial harvest -- includes all selection cuts, high-grading, diameter-limit cutting, and any other sawtimber cutting practice which leaves a residual stand of crop trees or potential crop trees and cull trees. Does not include poletimber thinning.
- 2 Seed tree and shelterwood -- a small number of crop trees were left to provide seed or shade to establish a new stand.
- 3 Clearcut -- all non-merchantable trees left standing.
- 4 Salvage cut -- removal of damaged or salvable dead trees, often leaving a gap in the stand.
- 5 Commercial thinning-- trees larger than 9" dbh have been removed to relieve overcrowding and improve growth on crop trees. (Added to HRVX around 1994).
- 0 No evidence of harvesting (may include the removal of a small number of trees for firewood, posts, etc., if the stand will not be affected).

69 **MGTX** Management Activity and Disturbance

This variable describes stand treatments, other than harvesting that have occurred since the last survey. If more than one treatment has occurred, the most significant one is recorded.

- 1 Commercial thinning -- trees larger than 5" dbh have been removed to relieve overcrowding and improve growth on crop trees.
- 2 Pre-commercial thinning -- seedlings and/or saplings have been removed to help crop trees attain dominance.
- 3 Stand improvement -- cleaning, release, or other intermediate cuttings as follows: (1) rough trees or other inhibiting vegetation have been removed to relieve competition with crop trees; or (2) undesirable trees have been killed (by girdling, poisoning, or burning) to relieve competition with crop trees.
- 4 Stand conversion -- the stand was poorly stocked with low quality hardwoods, or with severely diseased pines, and has been converted to a pine or high quality hardwood stand.
- 5 Site preparation -- clearing, prescribed burning, drainage, chopping, disking, bedding, tree girdling, poisoning, or other practices clearly intended to prepare a site for either natural or artificial regeneration.
- 6 Natural disturbance -- significant damage to the stand has occurred due to fire, flood, insects, disease, or other natural or man-caused disturbance which is not intended to be a timber management practice.
- 0 No evidence of stand treatment.

70 **DBRLOGX** Logging debris

- 1 Recent, abundant
- 2 Recent, not abundant
- 3 Not recent, abundant
- 4 Not recent, not abundant (not used for AL 1982 survey)
- 8 No abundant or recent evidence (AL 1982 survey only)
- 9 No evidence on plot (not used for AL 1982 survey)
- 9, 0 No observation: nonforest or missing

- 71 **HNTARTX** Hunting artifacts
 1 Tree stand
 2 Shotgun shell(s)
 3 Rifle shell(s)
 4 Shotgun and Rifle shells
 5 Tree stand and shells
 8 Other evidence
 9 None on plot\
 -9, 0 No observation: nonforest or missing
- 72 **OTACTX** Other activity
 AL 1982 survey:
 1 Game management
 3 Campfire
 88 Other
 99 None
 -9, 0 No observation: nonforest or missing
 LA 1984 and later surveys:
 1 Game or wildlife management
 2 Fishing
 3 Camping, hiking
 4 Farming
 5 Logging
 6 Mining
 7 Garbage from water flow deposition or
 dumping (priority)
 8 Maintenance of right-of-way
 10 Oil or gas drilling
 11 Markers for logging activities
 12 Markers for boundaries
 19 Liquid distillation
 30 Military activity
 88 Other or combination
 99 No evidence observed on plot
 -9, 0 No observation: nonforest or missing
- 73 **OTARTX** Other artifacts
 AL 1982 survey:
 1 Nonbiodegradable
 4 Biodegradable
 8 Combination
 9 None
 -9, 0 No observation: nonforest or missing
 LA 1984 and later surveys:
 1 Bottles, cans, glass, metal of unknown contents
 2 Discarded machinery, etc. - not in use
 3 Machinery, etc. - in use
 4 Biological materials (crops, wildlife food, etc.)
 5 Paint, flagging, etc. for marking trees, boundaries
 8 Others or combinations
 9 None on plot
 -9, 0 No observation: nonforest or missing
- 74 **BEVARTX** Beverage artifacts (not used for AL 1982 survey)
 1 Paper
 2 Glass, metal (aluminum), plastic

	8	Other or combination
	9	None on plot
	-9, 0	No observation: nonforest or missing
75	FOODARTX	Food artifacts (not used for AL 1982 survey)
	1	Recent, intact, and recognizable
	2	Age uncertain; metal, glass, plastic
	8	Other or combination
	9	None on plot
	-9, 0	No observation: nonforest or missing
76	HOMEARTX	Homesteading artifacts (not used for AL 1982 survey)
	1	Shed, other building; current use
	2	Fence; current use
	3	Homestead not in current use
	9	None on plot
	-9, 0	No observation: nonforest or missing
77	TRASH	Trash (Evidence of Humans)
	0	if sampled and no trash
	1	if trash is present, -9 otherwise
		Trash is defined as: (0<bevartx<9) or (0< foodartx<9) or (otartx=1 or 2) or (otactx=7).
	-9	No observation: nonforest or missing
78	GARB	Garbage, Garbage dumping
	0	if sampled and no garbage dumping (otact not = 7),
	1	if otact=7, garbage, dumping indicated
	-9	No observation: nonforest or missing
79	HUC	8-digit Hydrologic Unit Code For details, see Ben West and Stephanie Fulton EPA, Atlanta

APPENDIX A

OFR Code Quick Guide

Other forest resource (OFR) items 56-67 and 70-76, 78 below were collected for AL90, AR88, AR95, LA91, MS87, MS94, OK86, OK93, TN89, TX86, and TX92 on all timberland, and most forested plots. AL82 has items 56-60, 63-67, and 70-73. LA84 has items 56-67 and 70-78 for FIA Unit 4. See the Arkansas OFR portion of the field manual for additional details at <http://www.srs.fs.fed.us/pubs/ja/fiawp94.pdf>

Item	Acronym SFRA	Observation codes	Absence or none	Missing value	Where observed	Codes for AL 82 if different
56	AGRDIS	1 to 52, 75, 99	99	-9,9	w/in 3 mi	88 = >4500 ft
57	URBDIS	1 to 52, 75, 99	99	-9,9	w/in 3 mi	88 = >4500 ft
58	WTRSZ	1,2,3,9	9	-9	w/in 1600 ft	88 = >900 ft
59	WTRDIS	1 to 9	9	-9	w/in 1600ft	
60	WTRPLT	1,2,3,4,8,9	9	-9,0	on plot	
61	HNTSIGNX	1,2,9	9	-9,0	w/in 0.25mi	not archived
62	OTSIGNX	1,2,9	9	-9,0	w/in 0.25mi	not used
63	FENCEX	1,2,3,4,9	9	-9,0	w/in 0.25mi	
64	RDTYPE	1,2,3,4,9	9	-9,0	w/in 0.25mi	
65	TRUSEX	1,2,3,4,9	9	-9,0	on plot	
66	LVSTKX	1,2,3,4,5,6,8,9	9	-9,0	on plot	
67	BURNX	1,2,3,9	9	-9,0	on plot	1,4,9
70	DBRLOGX	1,2,3,4,9	9	-9,0	on plot	1,2,3,8
71	HNTARTX	1,2,3,4,5,8,9	9	-9,0	on plot	
72	OTACTX	1-8, 10-15, 33, 88,99	99	-9,0	on plot	1,3,88, 99
73	OTARTX	1,2,3,4,5,8,9	9	-9,0	on plot	1,4,8,9
74	BEVARTX	1,2,8,9	9	-9,0	on plot	not used
75	FOODARTX	1,2,8,9	9	-9,0	on plot	not used
76	HOMEARTX	1,2,3,9	9	-9,0	on plot	not used
77	TRASH	0 if sampled and no trash, 1 if trash is present, -9 otherwise Trash is defined as: (0<bevartx<9) or (0< foodartx<9) or (otartx=1) or (otartx=2) or (otactx=7).			on plot	not calculated
78	GARB	0 if sampled and no garbage dumping (otactx not = 7), 1 if present, -9 otherwise				not used

APPENDIX B**Number of Records by earth cover class**

State and Year	No. Records	Forested	Productive Reserved*	Timberland	Other forest	Nonforest
AL 1982	5782	3756	33	3723	0	2026
AL 1990	5827	3927	10	3917	0	1900
AR 1988	5968	3137	27	3070	40	2831
AR 1995	6004	3230	68	3135	27	2774
LA 1984	4435	2371	6	2365	0	2064
LA 1991	4471	2415	2	2413	0	2056
MS 1987	5372	2960	2	2958	0	2412
MS 1994	5376	3187	2	3185	0	2189
OK 1986	1843	887	4	805	78	956
OK 1993	1843	902	8	831	63	941
TN 1989	4724	2315	40	2275	0	2409
TX 1986	3762	1953	24	1910	19	1809
TX 1992	3809	2086	22	2056	8	1723

* The number of productive-reserved records reflects the system of accounting rather than the number of field-visited plots. Plots with no corresponding field locations have pltnum>598, lat=0.0, and lng=0.0. Conventional tree and forest resource items collected on productive-reserved plots prior to 1994 were not available, i.e., archived on tape and not readily extracted unless remeasured in later years, or were not collected. Primarily affects selected plots in AL 1982, 1990, LA 1984, 1991, Mississippi 1987, and Tennessee 1989.