

E = ECO / Condition / Plot
 T = Tree

Descriptive listing of variables

Variable Name	Description	Code	Code Definition
AGE	Plot Age in Years	0	1-10 years
		1	11-30 years
		2	31-50 years
		3	51-70 years
		4	71-90 years
		5	91-110 years
		6	111-131 years
		7	130+ years
		8	two-storied
		9	uneven aged
AREA	Identifies where tree is found on plot	1	Tree on 1/10 acre circle (0 - 37.2 feet radius from plot center)
		5	Tree in outer ring of plot (37.3 - 52.7 feet radius from plot center)
ASPECT	Aspect of the plot or direction towards which the slope faces	0	No aspect (slope less than 5%)
		1 - 360	(360 = North) these are magnetic (not true) degrees
AZIMUTH	Azimuth to tally tree (in degrees to 360)		
E BA1	Basal Area of living trees (5.0"+ DBH) at 1st inventory (in square meters per hectare)		
E BA2	Basal Area of living trees (5.0"+ DBH) at 2nd inventory (in square meters per hectare)		
E BA3	Basal Area of living trees (5.0"+ DBH) at 3rd inventory (in square meters per hectare)		
E BDEP	Depth to Bedrock	1	0 - 10 inches
		2	11-20 inches
		3	21-40 inches
		4	41+ inches
T BFVOL2	Net Board Foot Volume of a sawtimber tree for 2nd inventory (board feet per acre)		
T BFVOL3	Net Board Foot Volume of a sawtimber tree for 3rd inventory (board feet per acre)		
E BOULD	Surface Boulder Class	0	0 - 3% of visual acre covered by boulders

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- 1 4 - 15% of visual acre covered by boulders
- 2 16 - 50% of visual acre covered by boulders
- 3 51%+ of visual acre covered by boulders

Σ	BTEX	Texture of subsoil (B Horizon)	0 none (organic)
			1 sand
			2 sandy loam
			3 loam
			4 silty loam
			5 silty clay loam or finer

Σ	CLIMATE	A classification of climatic zone based on precipitation and temperature, SCS assigned
		1 Northern Maine
		2 Central Maine
		3 Coastal Maine

T CM1 Diameter at Breast Height (DBH) at 1st Inventory (in centimeters)

T CM2 Diameter at Breast Height (DBH) at 2nd Inventory (in centimeters)

T CM3 Diameter at Breast Height (DBH) at 3rd Inventory (in centimeters)

Σ	CMO	Current month (3rd Inventory)	1 January
			2 February
			3 March
			4 April
			5 May
			6 June
			7 July
			8 August
			9 September
			10 October
			11 November
			12 December

T	COMMON	Common name of tree species (other variables NEWSPP, SPP, SNUM listed for convenience)	Common	Latin	NEWSPP	SPP	SNUM
			Balsam Fir	<i>Abies balsamea</i>	ABBA		1
			Tamarack	<i>Larix laricina</i>	LALA		2
			White Spruce	<i>Picea glauca</i>	PIGL		19
			Black Spruce	<i>Picea mariana</i>	PIMA		23
			Red Spruce	<i>Picea rubens</i>	PIRU		24
			Jack Pine	<i>Pinus banksiana</i>	PIBA2		27
			Red Pine	<i>Pinus resinosa</i>	PIRE		105
			Pitch Pine	<i>Pinus rigida</i>	PIRI		125
							22
							25
							26

Eastern White Pine	<i>Pinus strobus</i>	PIST	129	28
Northern White Cedar	<i>Thuja occidentalis</i>	THOC2	241	40
Eastern Hemlock	<i>Tsuga canadensis</i>	TSCA	261	42
Striped Maple	<i>Acer pennsylvanicum</i>	ACPE	315	3
Red Maple	<i>Acer rubrum</i>	ACRU	316	4
Silver Maple	<i>Acer saccharinum</i>	ACSA2	317	5
Sugar Maple	<i>Acer saccharum</i>	ACSA3	318	6
Mountain Maple	<i>Acer spicatum</i>	ACSP2	319	7
Serviceberry	<i>Amelanchier</i> spp.	AMELA	344	8
Yellow Birch	<i>Betula alleghaniensis</i>	BEAL2	371	9
Sweet Birch	<i>Betula lenta</i>	BELE	372	10
Paper Birch	<i>Betula papyrifera</i>	BEPA	375	11
Gray Birch	<i>Betula populifolia</i>	BEPO	379	12
American Hornbeam	<i>Carpinus caroliniana</i>	CACA18	391	13
American Beech	<i>Fagus grandifolia</i>	FAGR	531	14
White Ash	<i>Fraxinus americana</i>	FRAM2	541	15
Black Ash	<i>Fraxinus nigra</i>	FRNI	543	16
Green Ash	<i>Fraxinus pennsylvanica</i>	FRPE	544	17
Butternut	<i>Juglans cinera</i>	JUCI	601	18
Apple species	<i>Malus</i> spp.	MALUS	660	20
Eastern Hophornbeam	<i>Ostrya virginiana</i>	OSVI	701	21
Balsam Poplar	<i>Populus balsamifera</i>	POBA2	741	29
Bigtooth Aspen	<i>Populus grandidentata</i>	POCR3	743	30
Quaking Aspen	<i>Populus tremuloides</i>	POTR5	746	31
Cherry species	<i>Prunus</i> spp.	PRUNU	760	34
Pin Cherry	<i>Prunus pennsylvanica</i>	PRPE2	761	32
Black Cherry	<i>Prunus serotina</i>	PRSE2	762	33
White Oak	<i>Quercus alba</i>	QUAL	802	35
Northern Red Oak	<i>Quercus rubra</i>	QRUR	833	36
Black Oak	<i>Quercus velutina</i>	QUVE	837	37
Willow species	<i>Salix</i> spp.	SALIX	920	38
American Mountain-ash	<i>Sorbus americana</i>	SOAM3	935	39
American Basswood	<i>Tilia americana</i>	TIAM	951	41
Elm	<i>Ulmus</i> spp.	ULMUS	970	44
American Elm	<i>Ulmus americana</i>	ULAM	972	43
Unknown/Not Listed	Unknown/Not Listed	UNKN	999	45

3 COUNTY Maine County

1	Androscoffin
3	Aroostook
5	Cumberland
7	Franklin
9	Hancock
11	Kennebec
13	Knox
15	Lincoln
17	Oxford
19	Penobscot
21	Piscataquis
23	Sagadahoc
25	Somerset
27	Waldo
29	Washington
31	York

E	CTYPE1	Forest type for the 1st inventory assigned by the computer. Assignment based on the plurality of basal area stocking (See TYPE for list of codes)
E	CTYPE2	Forest type for the 2nd inventory assigned by the computer. Assignment based on the plurality of basal area stocking (See TYPE for list of codes)
E	CTYPE3	Forest type for the 3rd inventory assigned by the computer. Assignment based on the plurality of basal area stocking (See TYPE for list of codes)
E	CUT12	Cutting on plot between the 1st and 2nd inventory 0 No trees cut 1 1 or more trees cut
E	CUT13	Cutting on plot between the 1st and 3rd inventory 0 No trees cut 1 1 or more trees cut
E	CUT23	Cutting on plot between the 2nd and 3rd inventory 0 No trees cut 1 1 or more trees cut
E	CYR	Current Year (3rd inventory) 80 1980 81 1981 82 1982
T	DBH1	Diameter at Breast Height (DBH) at 1st inventory (inches)
T	DBH2	Diameter at Breast Height (DBH) at 2nd inventory (inches)
T	DBH3	Diameter at Breast Height (DBH) at 3rd inventory (inches)
T	DEATH12	Cause of death of tree between 1st and 2nd inventories 0 None 1 Insect 2 Disease 3 Fire 4 Animal 5 Weather 6 Suppression 7 Harvest related 8 Other Human 9 Unknown

T DEATH23 Cause of death of tree between 2nd and 3rd inventories

0	None
1	Insect
2	Disease
3	Fire
4	Animal
5	Weather
6	Suppression
7	Harvest related
8	Other Human
9	Unknown

T DEN1 Density represented by a given tree at the 1st inventory

12.3552	Trees per hectare for sawtimber trees
24.7104	Trees per hectare for poletimber trees

T DEN2 Density represented by a given tree at the 1st inventory

12.3552	Trees per hectare for sawtimber trees
24.7104	Trees per hectare for poletimber trees

T DEN3 Density represented by a given tree at the 1st inventory

12.3552	Trees per hectare for sawtimber trees
24.7104	Trees per hectare for poletimber trees

T DIST Horizontal distance from plot center to center of tree (in tenths of feet, e.g. 123 = 12.3 feet)

E EAST Easting UTM coordinate of plot location (in meters)

E ELEV Elevation

0	sea level to 99 feet
1	100 - 199 feet
2	200 - 299 feet
3	300 - 399 feet
4	400 - 499 feet
5	500 - 599 feet
6	600 - 699 feet
7	700 - 799 feet
8	800 - 899 feet
9	900 - 999 feet
10	1000 - 1099 feet
11	1100 - 1199 feet
12	1200 - 1299 feet
13	1300 - 1399 feet
14	1400 - 1499 feet
15	1500 - 1599 feet
16	1600 - 1699 feet
17	1700 - 1799 feet
18	1800 - 1899 feet
19	1900 - 1999 feet

Not publicly released, data deleted

- 20 2000 - 2099 feet
- 21 2100 - 2199 feet
- 22 2200 - 2299 feet
- 23 2300 - 2399 feet
- 24 2400 - 2499 feet
- 25 2500 - 599 feet
- 26 2600 - 2699 feet
- 27 2700 - 2799 feet
- 28 2800 - 2899 feet
- 29 2900 - 2999 feet
- 30 3000 - 3099 feet
- 31 3100 - 3199 feet
- 32 3200 - 3299 feet
- 33 3300 - 3399 feet
- 34 3400 - 3499 feet
- 35 3500 - 3599 feet
- 36 3600 - 3699 feet
- 37 3700 - 3799 feet
- 38 3800 - 3899 feet
- 39 3900 - 3999 feet
- 40 4000 - 4099 feet
- 41 4100 - 4199 feet
- 42 4200 - 2499 feet
- 43 4300 - 4399 feet
- 44 4400 - 4499 feet
- 45 4500 - 4599 feet
- 46 4600 - 4699 feet
- 47 4700 - 4799 feet
- 48 4800 - 4899 feet
- 49 4900 - 4999 feet
- 50 5000 - 5099 feet

T	EXP1	Expansion factor for calculating DEN1 and BA1	
		5 for sawtimber trees (softwood 9.0"+ DBH, hardwood 11.0"+ DBH)	
		10 for poletimber trees (softwood 5.0" - 8.9" DBH, hardwood trees 5.0" - 10.9")	
T	EXP2	Expansion factor for calculating DEN2 and BA2	
		5 for sawtimber trees (softwood 9.0"+ DBH, hardwood 11.0"+ DBH)	
		10 for poletimber trees (softwood 5.0" - 8.9" DBH, hardwood trees 5.0" - 10.9")	
T	EXP3	Expansion factor for calculating DEN3 and BA3	
		5 for sawtimber trees (softwood 9.0"+ DBH, hardwood 11.0"+ DBH)	
		10 for poletimber trees (softwood 5.0" - 8.9" DBH, hardwood trees 5.0" - 10.9")	
T	GSVOL2	Net cubic foot volume of growing stock tree for 2nd inventory (cubic feet per acre)	
T	GSVOL3	Net cubic foot volume of growing stock tree for 3rd inventory (cubic feet per acre)	
E	HARVHIST	Harvest History between 2nd and 3rd inventories	0
		No evidence of harvesting on plot	

- 1 Clearcut in blocks or patches
- 2 Clearcut in strips
- 3 Selectively cut

Σ HECTARES

Number of hectares represented by a given plot so that tree and plot data can be weighted properly based on sampling stratification (numbers range from 1,000 to 35,000 with an average of about 10,000)

T HIST:12

Tree history between 1st and 2nd inventories

Survivors (Trees previously measured)	Measured on both occasions, but not an ingrowth tree
10	Either a polelimber or sawtimber tree at both occasions
11	Tree missed on initial tally (before using check code #31)
12	Initial sawtimber-sized tree unaccounted for at 2nd occasion (before using check code # 65 and #91)
13	Initial tree present but land use is now nonforest
14	Measured on 1/10 acre as polelimber and remeasured as sawtimber (Sawtimber Ingrowth)
Ingrowth (Trees not previously measured, Polelimber on 1/10 acre ONLY and Sawtimber beyond 1/10 acre ONLY)	
30	Live tree
31	Sapling on 1/10 acre at 1st occasion and now Sawtimber
36	Cut Tree (Stump measurements ONLY, no DBH or height recorded) (Do Not confuse with code #s 60 or 70)
37	T.S.I. Trees (girdled or poisoned)
38	Ingrowth tree killed in a cultural treatment
	Dead trees. (Do Not confuse with code # 80)
Timber Cut (Trees cut since plot was established)	
60	Stump of a previously measured tree
61	Can be either polelimber on 1/10 acre or Sawtimber on entire 1/5 acre
	Stump of trees cut for T.S.I., initially a merchantable tree (Stump measurement)
62	Stump of trees cut for T.S.I., initially a cull tree (Stump measurement)
63	Stumps of polelimber trees, initially tallied as being on the 1/10 acre, but the stump is definitely beyond the 1/10 acre
64	Stumps of sawtimber trees, initially tallied as being on the 1/5 acre, but the stump is definitely beyond the 1/5 acre
65	Stump of missed tree on initial tally
70	Trees killed or broken off by logging (Not stump measurements)
71	Trees girdled or poisoned for T.S.I. (Not stump measurements)
72	Trees on a clear-cut plot or land clearing project.
73	Code denotes original DBH and Total Height (Not stump measurements)
	Trees on plots which became noncommercial forest (Not stump measurements)
99	Trees on a clear-cut plot
	Code denotes original DBH (Not stump measurements)
Mortality (Previously measured trees that have died since plot was established)	
80	Any previously measured growing stock tree (Do Not confuse with Code # 38)
81	Initial merchantable polelimber tree unaccounted for at second occasion
82	Will be considered a dead tree with no visual remains, use original data
	Initially cull trees (Includes cull species 999)

All Other Trees (Trees beyond plot limits)

- 90 Live Poetlimer tree initially tallied as being in on the 1/10 acre plot, but is definitely "OUT"
- 91 Live Sawtimber tree initially tallied as being in on the 1/5 acre plot, but is definitely "OUT"

T HIST23

Tree history between 2nd and 3rd inventories

- Survivors (Live, previously measured or missed trees that are currently "IN")
 - 10 Same live tree, was in before, is in now
 - 11 Multiple stemmed tree (two previously measured trees that grew together, treated as 1 tree now)
 - 12 Tree missed at last survey, should have been tallied, but wasn't, is now tallied
- Ingrowth (Trees that are correctly being tallied for the first time)
 - 20 Live tree, not previously measured
 - 21 Live tree, was tallied before, but should not have been, is an "ingrowth" tree now
 - 22 Dead tree, too small to tally before, would be tallied now, if alive (Tree must have bark on and be considered a recent mortality)
- Removals (Trees that (a) have been harvested, killed, or presumed to have been harvested during a cultural operation (logging, land clearing, TSI Work, etc.) and (b) live trees, no longer on commercial forest land)
 - 30 Previously measured tree that has been harvested (stump is present)
 - 31 Previously measured tree which has been killed, poisoned, broken off, pushed over, or presumed to be cut (should be evidence that this is not natural mortality)
 - 32 Live, previously measured trees now located on nonforest land (land use change)
 - 33 Live, previously measured trees now located on non-commercial forest land (land use change)
- Mortality (Previously tallied trees that have died since the last inventory)
 - 40 Dead tree, standing or down, tree is still present; when DBH measurement is not possible, use previous dbh for current entry.
 - 41 Dead, down, disintegrated, no evidence remaining; any previously measured tree that cannot be accounted for (Check code #31)
- Other Trees
 - 50 Tree which was tallied before, but should not have been (was "OUT"), and is not tallied now

E LAT ~~Latitude coordinate for plot (written as decimals)~~ *Not publicly avail, data deleted*

T LATIN Scientific name of tree species (see listing of acceptable entries under variable "COMMON")

E LONG ~~Longitude coordinate for plot (written as decimals)~~ *Not publicly avail, data deleted*

E LUSE Land use at 1st inventory

- 20 Timberland
- 40 Unproductive Forestland
- 50 Productive Reserved Forestland
- 51 Christmas Tree Plantation
- 52 Urban Forestland
- 54 Unproductive Reserved Forestland
- 61 Cropland
- 62 Improved/Maintained Pasture
- 63 Idle Farm Land
- 64 Other Farm Land
- 65 Bog/Marsh/Swamp
- 66 Maintained Right-of-Way, regardless of width
- 67 Mining and Waste Land
- 68 Developed/Maintained Recreation Site
- 69 Industrial/Commercial Land
- 70 Tract/Multiple Family Housing
- 71 Single Family Housing
- 72 Other Nonforest Land

91
92

Census Water
Noncensus Water

Σ LUSE2

Land use at 2nd inventory

- 20 Timberland
- 40 Unproductive Forestland
- 50 Productive Reserved Forestland
- 51 Christmas Tree Plantation
- 52 Urban Forestland
- 54 Unproductive Reserved Forestland
- 61 Cropland
- 62 Improved/Maintained Pasture
- 63 Idle Farm Land
- 64 Other Farm Land
- 65 Bog/Marsh/Swamp
- 66 Maintained Right-of-Way, regardless of width
- 67 Mining and Waste Land
- 68 Developed/Maintained Recreation Site
- 69 Industrial/Commercial Land
- 70 Tract/Multiple Family Housing
- 71 Single Family Housing
- 91 Other Nonforest Land
- 92 Census Water

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Census Water
Noncensus Water

Σ LUSE3

Land use at 3rd inventory

- 20 Timberland
- 40 Unproductive Forestland
- 50 Productive Reserved Forestland
- 51 Christmas Tree Plantation
- 52 Urban Forestland
- 54 Unproductive Reserved Forestland
- 61 Cropland
- 62 Improved/Maintained Pasture
- 63 Idle Farm Land
- 64 Other Farm Land
- 65 Bog/Marsh/Swamp
- 66 Maintained Right-of-Way, regardless of width
- 67 Mining and Waste Land
- 68 Developed/Maintained Recreation Site
- 69 Industrial/Commercial Land
- 70 Tract/Multiple Family Housing
- 71 Single Family Housing
- 72 Other Nonforest Land
- 91 Census Water
- 92 Noncensus Water

0
1
2
3
4

Σ MDEP

Depth to mottling

- 0 No mottling encountered
- 1 1 inch
- 2 2 inches
- 3 3 inches
- 4 4 inches

- 5 5 inches
- 6 6 inches
- 7 7 inches
- 8 8 inches
- 9 9 inches
- 10 10 inches
- 11 11 inches
- 12 12 inches
- 13 13 inches
- 14 14 inches
- 15 15 inches
- 16 16 inches
- 17 17 inches
- 18 18 inches
- 19 19 inches
- 20 20 inches
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- 22 22 inches
- 23 23 inches
- 24 24 inches
- 25 25 inches
- 26 26 inches
- 27 27 inches
- 28 28 inches
- 29 29 inches
- 30 30 inches
- 31 31 inches
- 32 32 inches
- 33 33 inches
- 34 34 inches
- 35 35 inches
- 36 36 inches
- 37 37 inches
- 38 38 inches
- 39 39 inches
- 40 40 or more inches

E MEAN_AGE A correct average age of TAGE1 - TAGE4, based on the actual number of site trees taken on the plot (see AVEAGE)

E MOIST Moisture class

1	Very dry
2	Dry
3	Mesic
4	Wet
5	Very wet

T NEWSPP An alphanumeric code (up to 6 characters) for species (see list of acceptable entries under variable COMMON)

E NORTH ~~Nothing (UTM) coordinates of plot location (in meters)~~ *Not publicly avail, data deleted*

T NO_OBS Number of observations (i.e. lines or trees) for a plot

T NUM Unique identification number for each tree ever measured on the plot (range from 1 on up)

T NUM2 Tree number assigned at 2nd inventory

T NUM3 Tree number assigned at 3rd inventory

E NUMBER Location or Plot number (three digits)

Not publically avail; data deleted

E OCTANT One of 8 possible cardinal directions, based on ASPECT

- N No ASPECT (ASPECT=0)
- NE North (337<ASPECT<23)
- E Northeast (22<ASPECT<68)
- SE East (67<ASPECT<113)
- S Southeast (112<ASPECT<158)
- SW South (157<ASPECT<203)
- W Southwest (202<ASPECT<248)
- NW West (247<ASPECT<293)
- Northwest (292<ASPECT<338)

E ODEP Depth of organic layer (inches, need to divide value by 10)

0 Less than 1/2 inch

- 5
- 10
- 15
- 20
- 25
- 30
- 35
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- 45
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- 55
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- 80
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- 110
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- 120
- 125
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- 135
- 140
- 145

150 15.0
155 15.5
160 16.0
165 16.5
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175 17.5
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260 26.0
265 26.5
270 27.0
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280 28.0
285 28.5
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315 31.5
320 32.0
325 32.5
330 33.0
335 33.5
340 34.0
345 34.5
350 35.0
355 35.5
360 36.0
365 36.5
370 37.0
375 37.5
380 38.0
385 38.5
390 39.0
395 39.5
400 40.0" or more

3 PERIOD12 Period between the 1st and 2nd inventories (expressed as the number of growing seasons between measurements)

PERIOD13 Period between the 1st and 3rd inventories (expressed as the number of growing seasons between measurements)

PERIOD23 Period between the 2nd and 3rd inventories (expressed as the number of growing seasons between measurements)

PI Photo-interpretation class
21 Forested, 2500+ gross cubic feet per acre (175+ cubic meters per hectare)
22 Forested, 1,900 - 2,499 gross cubic feet per acre (133-174 cubic meters per hectare)
23 Forested, 1,250 - 1,899 gross cubic feet per acre (87 - 132 cubic meters per hectare)
24 Forested, 600 - 1,249 gross cubic feet per acre (42 - 86 cubic meters per hectare)
25 Forested, 200 - 599 gross cubic feet per acre (14 - 41 cubic meters per hectare)
26 Forested, 0 - 199 gross cubic feet per acre (0 - 13 cubic meters per hectare)
40 Unproductive Forest
60 Nonforest

PLOT Unique plot identification code (7 digit number, e.g. 2209002, where digit #1 is state, digit #2 is unit, digit #3 - #4 are county, and digits #5 - #7 are plot/location)

*Not publicly
avail; data deleted*

PMAT Parent material
1 Dense compact glacial till
2 Loose glacial till
3 Sand and gravel
4 Silts and clays
5 Recent alluvium
6 Organic

PMO Previous Month (2nd inventory)
1 January
2 February
3 March
4 April
5 May
6 June
7 July
8 August
9 September
10 October
11 November
12 December

PNUM A unique number for each plot (from 1 through 835). Assigned to a plot list that was sorted by the PLOT variable

PYR Previous year (2nd inventory)
68 1968
69 1969
70 1970

QAVECM1 Quadratic mean DBH (DBH of mean basal area) at 1st inventory (in centimeters)

QAVECM2 Quadratic mean DBH (DBH of mean basal area) at 2nd inventory (in centimeters)

QAVECM3 Quadratic mean DBH (DBH of mean basal area) at 3rd inventory (in centimeters)

RDEP Rooting depth
1 0 - 10 inches
2 11 - 20 inches
3 21 - 30 inches
4 40 or more inches

SF_HD Identify tree species as either a softwood or a hardwood species
1 Softwood (coniferous, usually evergreen with needles)
2 Hardwood (dicotyledonous, usually deciduous and broad-leaved)

SI1 Site index (height at age 50) for the 1st site index tree (in feet)

SI2 Site index (height at age 50) for the 2nd site index tree (in feet)

SI3 Site index (height at age 50) for the 3rd site index tree (in feet)

SI4 Site index (height at age 50) for the 4th site index tree (in feet)

SIAGE1 Age of 1st site index tree at breast height, determined in field (in years)

SIAGE2 Age of 2nd site index tree at breast height, determined in field (in years)

SIAGE3 Age of 3rd site index tree at breast height, determined in field (in years)

SIAGE4 Age of 4th site index tree at breast height, determined in field (in years)

SIDBH1 DBH of 1st site index tree (in inches)

SIDBH2 DBH of 2nd site index tree (in inches)

SIDBH3 DBH of 3rd site index tree (inches)

SIDBH4 DBH of 4th site index tree (in inches)

SIHT1 Total Height of 1st site index tree (in feet)

Σ SIHT2	Total Height of 2nd site index tree (in feet)	
Σ SIHT3	Total Height of 3rd site index tree (in feet)	
Σ SIHT4	Total Height of 4th site index tree (in feet)	
Σ SISP1	Species of 1st site index tree (see COMMON variable for SPP listing)	
Σ SISP2	Species of 2nd site index tree (see COMMON variable for SPP listing)	
Σ SISP3	Species of 3rd site index tree (see COMMON variable for SPP listing)	
Σ SISP4	Species of 4th site index tree (see COMMON variable for SPP listing)	
Σ SITE	Potential site productivity class	1 less than 20 cubic feet per acre per year (unproductive) 2 20 - 50 3 50 - 85 4 85 - 120 5 120 or more
Σ SLOPE	Percent slope of the plot, taken in the same direction as ASPECT	0 Less than 5% slope 6 6% 7 7% 8 8% 9 9% 10 10% 11 11% 12 12% 13 13% 14 14% 15 15% 16 16% 17 17% 18 18% 19 19% 20 20% 21 21% 22 22% 23 23% 24 24% 25 25% 26 26% 27 27% 28 28% 29 29%

30	30%
31	31%
32	32%
33	33%
34	34%
35	35%
36	36%
37	37%
38	38%
39	39%
40	40%
41	41%
42	42%
43	43%
44	44%
45	45%
46	46%
47	47%
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74	74%
75	75%
76	76%
77	77%
78	78%
79	79%
80	80%
81	81%
82	82%
83	83%
84	84%
85	85%

86 86%
 87 87%
 88 88%
 89 89%
 90 90%
 91 91%
 92 92%
 93 93%
 94 94%
 95 95%
 96 96%
 97 97%
 98 98%
 99 slope greater than or equal to 99%

T SNUM A different number given to each tree species. A one-to-one correspondence with SPP, NEWSPP, COMMON, and LATIN variables
 Begins with 1 and continues consecutively (see listing at the COMMON variable)

E SOIL Soil series (assigned by SCS)

1	Chesuncook
2	Elliotsville
3	Monarda
4	Howland
5	Monson
6	Brayton
7	Masardis
8	Telos
9	Histosol
10	Imlos
11	Monarda, heavy substratum variant
12	Adams
13	Swanville
14	Danforth
15	Humic Cryorthords, moderately deep to deep
16	Hermion
17	Chocorua
18	Lyman
19	Winnecook
20	Peru
21	Fryeburg
22	Sheepscot
23	Roundabout
24	Berkshire
25	Marlow
26	Nicholville
27	Dixmont
28	Burnham
29	Daigle
30	Shirley
31	Salmon
32	Lithic Udorthents
33	Searsport
34	Tunbridge
35	Moosilauke

36	Telos, shallow variant
37	Naumburg
38	Piaisted
39	Monarda, shallow variant
40	Bangor
41	Sunday
42	Misery
43	Brayton, sandy-skeletal variant
44	Ricker
45	Pertham
46	Skowhegan
47	Allagash
48	Canaan
49	Rumney
50	Conant
51	Cornish
52	Thorndike
53	Sebago
54	Caribou
55	Charles
56	Biddeford, fine-silty variant
57	Burnham, heavy sub-variant
58	Madawaska
59	Boothbay
60	Fluvaquents, sandy
61	Swanville, fine-loamy variant
62	Ondawa
63	Peacham
64	Machias
65	Biddeford, coarse-silty variant
66	Easton, coarse-loamy variant
67	Mapleton
68	Fluvaquents, coarse-loamy
69	Scantic
70	Biddeford
71	Colton
72	Buxton
73	[was sheepscot, now combined with #22]
74	Schoodic
75	Naskeag
76	Au Gres
77	Becket
78	Croghan
79	Skerry
80	Swanton
81	Sunapee
82	Medomak
83	Ricker, high phase
84	Brayton, variant
85	Westbury
86	Monadnock
87	Enchanted
88	Podunk
89	Marlow
90	Peru, cryic (Surplus)
91	Berkshire, cryic

- 92 Saddleback
- 93 [was Moosilauke, combined with 35]
- 94 Waumbek
- 95 Lyme
- 96 Brayton, cryic
- 97 Peru, moderately deep
- 98 Cabot
- 99 Eldridge

E SOILSITE Another site productivity classification. Based on work by Bob Seymour at Univ. of Maine-Orono, it uses MOIST, BTEX, ODEP, and RDEP as variables

- 1 poor sites
- 2 fair sites
- 3 good sites

T SPP Species identification code for tallied tree (see listing under COMMON)

E STATE Code to identify state - Maine

18	Old FIA
23	Current FIA
2	This study

Data deleted

T STATUS12 Status of tree between 1st and 2nd inventories

- 1 Survivor tree, alive and data for both inventories
- 2 Live ingrowth, no previous data
- 3 Dead (all types) ingrowth, no previous data
- 4 Man-caused mortality of previously measured tree
- 5 Natural mortality of previously measured tree
- 6 Nonforest land use change removal (forest to nonforest)

T STATUS13 Status of tree between 1st and 3rd inventories

- 1 Survivor tree, alive and data for both inventories
- 2 Live ingrowth, no previous data
- 3 Dead (all types) ingrowth, no previous data
- 4 Man-caused mortality of previously measured tree
- 5 Natural mortality of previously measured tree
- 6 Nonforest land use change removal (forest to nonforest)
- 7 Nonforest ingrowth (not tallied at 1st occasion, tallied on forest land at 2nd occasion, tallied on nonforest land at 3rd occasion)

T STATUS23 Status of tree between 2nd and 3rd inventories

- 1 Survivor tree, alive and data for both inventories
- 2 Live ingrowth, no previous data
- 3 Dead (all types) ingrowth, no previous data
- 4 Man-caused mortality of previously measured tree
- 5 Natural mortality of previously measured tree
- 6 Nonforest land use change removal (forest to nonforest)

E TAGE1 Total age of 1st site index tree (field age + computer add-on)(in years)

Σ	TAGE2	Total age of 2nd site index tree (field age + computer add-on)(in years)
Σ	TAGE3	Total age of 3rd site index tree (field age + computer add-on)(in years)
Σ	TAGE4	Total age of 4th site index tree (field age + computer add-on)(in years)
Σ	TASPECT	A sine transformation of ASPECT based on Beers et al., 1966, J. of Forestry 64:691-692. Values range from 0 (due southwest) to 2 (due northeast). A " " is used where ASPECT=0.
Σ	TBA1	Total plot basal area of living trees (5"+ DBH) for 1st inventory (in square meters per hectare)
Σ	TBA2	Total plot basal area of living trees (5"+ DBH) for 2nd inventory (in square meters per hectare)
Σ	TBA3	Total plot basal area of living trees (5"+ DBH) for 3rd inventory (in square meters per hectare)
T	TBFVOL2	Total net board foot volume of sawtimber trees for 2nd inventory (in board feet per acre)
T	TBFVOL3	Total net board foot volume of sawtimber trees for 3rd inventory (in board feet per acre)
Σ	TDEN1	Total plot density of living trees (5"+ DBH) for 1st inventory (in number of trees per hectare)
Σ	TDEN2	Total plot density of living trees (5"+ DBH) for 2nd inventory (in number of trees per hectare)
Σ	TDEN3	Total plot density of living trees (5"+ DBH) for 3rd inventory (in number of trees per hectare)
Σ	TERPOS	Terrain position of the plot
		1 Top of Slope (convex)
		2 Upper slope (convex)
		3 Midslope (uniform angle)
		4 Bench slope (slope deviation)
		5 Lower slope (concave)
		6 Bottomland (horizontal)
		7 Flatland (areas not part of or related to the slope)
Σ	TGSVOL2	Total net growing stock volume for the 2nd inventory (in cubic feet per acre)
Σ	TGSVOL3	Total net growing stock volume for the 3rd inventory (in cubic feet per acre)
Σ	TSIZE1	Size/type of tree at 1st inventory
		1 Polelimber tree (softwood: 5.0 - 8.9" DBH, hardwood: 5.0-10.9" DBH)
		2 Sawtimber tree (softwood: 9.0+ " DBH, hardwood: 11.0+ " DBH)

E TSIZE2 Size/type of tree at 2nd inventory
 1 Polelimber tree (softwood: 5.0 - 8.9" DBH, hardwood: 5.0-10.9" DBH)
 2 Sawtimber tree (softwood: 9.0+" DBH, hardwood: 11.0+" DBH)

E TSIZE3 Size/type of tree at 3rd inventory
 1 Polelimber tree (softwood: 5.0 - 8.9" DBH, hardwood: 5.0-10.9" DBH)
 2 Sawtimber tree (softwood: 9.0+" DBH, hardwood: 11.0+" DBH)

E TVOL2 Total gross volume of living trees (5.0"+ DBH) for 2nd inventory (in cubic feet per acre)

E TVOL3 Total gross volume of living trees (5.0"+ DBH) for 3rd inventory (in cubic feet per acre)

E TYPE Forest type assigned in the field based on plurality of stocking

- 1 Jack Pine
- 2 Red Pine
- 3 White Pine
- 4 White Pine/Hemlock
- 5 Hemlock
- 6 Scotch Pine
- 10 White/Red/Jack Pine group
- 11 Balsam Fir
- 12 Black Spruce
- 13 Red Spruce/Balsam Fir
- 14 Northern White Cedar
- 15 Tamarack (Larch)
- 16 White Spruce
- 17 Norway Spruce
- 18 Larch (Introduced)
- 19 Red Spruce
- 20 Spruce/Fir Group
- 29 Red Maple/Central Hardwoods
- 30 Loblolly/Shortleaf Group
- 31 Loblolly Pine
- 32 Shortleaf Pine
- 33 Virginia Pine
- 35 Eastern Redcedar
- 36 Pond Pine
- 38 Pitch Pine
- 39 Tble Mountain Pine
- 40 Oak-Pine Group
- 41 White Pine/Northern Red Oak/White Ash
- 42 Eastern Redcedar/Hardwood
- 44 Shortleaf Pine/Oak
- 45 Virginia Pine/Southern Red Oak
- 46 Loblolly Pine/Hardwood
- 49 Other Oak/Pine
- 50 Oak/Hickory Group
- 51 Post/Black/Bear Oak
- 52 Chestnut Oak
- 53 White Oak/Red Oak/Hickory
- 54 White Oak

55	Northern Red Oak
56	Yellow Poplar/White Oak/Northern Red Oak
57	Black Locust
58	Sweetgum/Yellow Poplar
59	Mixed Central Hardwoods
60	Oak/Gum/Cypress Group
61	Swamp Chestnut Oak/Cherrybark Oak
62	Sweetgum/Nuttall Oak/Willow Oak
63	Sugarberry/American Elm/Green Ash
65	Overcup Oak/Water Hickory
66	Atlantic White Cedar
67	Baldcypress/Water Tupelo
68	Sweetbay/Swamp Tupelo/Red Maple
70	Elm/Ash/Red Maple
71	Black Ash/American Elm/Red Maple
72	River Birch/Sycamore
73	Cottonwood
74	Willow
75	Sycamore/Pecan/American Elm
80	Maple/Beech/Birch Group
81	Sugar Maple/Beech/Yellow Birch
82	Black Cherry
83	Black Walnut
84	Red Maple/Northern Hardwoods
88	Pin Cherry/Reverting Field
89	Mixed Northern Hardwoods
90	Aspen/Birch Group
91	Aspen
92	Paper Birch
93	Gray Birch
94	Yellow Poplar
95	Hawthorn/Reverting Field
96	Scarlet Oak
97	Sassafras/Persimmon
98	Indeterminate Type
99	Nonforest Plot

Σ TYPGRP1 Calculated forest type group for the 1st inventory

1	White Pine/Hemlock (includes TYPE codes: 1-6, 10)
2	Spruce/Fir (includes TYPE codes: 11-20)
3	Pitch Pine (includes TYPE codes: 30-39)
4	Oak/Pine (includes TYPE codes: 40-42, 44-46, 49)
5	Oak/Hickory (includes TYPE codes: 29, 50-59, 94-97)
6	Indeterminate (includes TYPE codes: 98)
7	Elm/Ash/Red Maple (includes TYPE codes: 70-75)
8	Maple/Beech/Birch (includes TYPE codes: 80-84, 88-89)
9	Aspen/Birch (includes TYPE codes: 90-93)
0	Nonforest (includes TYPE codes: 99)

Σ TYPGRP2 Calculated forest type group for the 2nd inventory

1	White Pine/Hemlock (includes TYPE codes: 1-6, 10)
2	Spruce/Fir (includes TYPE codes: 11-20)
3	Pitch Pine (includes TYPE codes: 30-39)
4	Oak/Pine (includes TYPE codes: 40-42, 44-46, 49)

- 5 Oak/Hickory (includes TYPE codes: 29, 50-59, 94-97)
- 6 Indeterminate (includes TYPE codes: 98)
- 7 Elm/Ash/Red Maple (includes TYPE codes: 70-75)
- 8 Maple/Beech/Birch (includes TYPE codes: 80-84, 88-89)
- 9 Aspen/Birch (includes TYPE codes: 90-93)
- 0 Nonforest (includes TYPE codes: 99)

E TYPGRP3 Calculated forest type group for the 3rd inventory

- 1 White Pine/Hemlock (includes TYPE codes: 1-6, 10)
- 2 Spruce/Fir (includes TYPE codes: 11-20)
- 3 Pitch Pine (includes TYPE codes: 30-39)
- 4 Oak/Pine (includes TYPE codes: 40-42, 44-46, 49)
- 5 Oak/Hickory (includes TYPE codes: 29, 50-59, 94-97)
- 6 Indeterminate (includes TYPE codes: 98)
- 7 Elm/Ash/Red Maple (includes TYPE codes: 70-75)
- 8 Maple/Beech/Birch (includes TYPE codes: 80-84, 88-89)
- 9 Aspen/Birch (includes TYPE codes: 90-93)
- 0 Nonforest (includes TYPE codes: 99)

E UNIT Geographic sampling unit, composed of one or more counties

- 1 Washington County
- 2 Aroostook County
- 3 Penobscot County
- 4 Hancock County
- 5 Piscataquis County
- 6 Kennebec, Knox, Lincoln, and Waldo Counties
- 7 Somerset County
- 8 Androscoggin, Cumberland, Sagadahoc, and York Counties
- 9 Franklin and Oxford Counties

E UTMZONE Universal Transverse Mercator zone to the plot location. This is used in conjunction with EAST and NORTH. All plots in Maine are in zone 19

T VOL2 Gross volume of given tree at 2nd inventory (in cubic feet per acre)

T VOL3 Gross volume of given tree at 3rd inventory (in cubic feet per acre)

Not publically avail. data deleted

