

Changes from the Phase 2 Field Guide version 2.0 to version 3.0

Changes documented in change proposals are indicated in **bold** type. The corresponding proposal name can be seen using the comments feature in the electronic file. These change pages are intended to highlight significant changes to the field guide and does not contain all of the details or minor changes.

- **Modified: Wherever appropriate. The term “annular plot” was changed to “macroplot” wherever it was appropriate. Major changes are listed separately. See the change proposal for a complete list.**
- **Added: Field Guide Layout. Added a sentence stating that PLOT NOTES will be available on each PDR screen.**
- **Modified: Units of Measure. Modified current “annular plot” to “macroplot”. Added a new definition of annular plot.**
- **Modified: 0.0 GENERAL DESCRIPTION. Added text explaining the meaning of core optional and the application to Phase 3 indicators collected on Phase 2 plots. Modified text to describe the change of “annular plot” to “macroplot”**
- **Clarified: 1.0 PLOT DATA. Added text from old section 8 Nonforest/nonsampled Plots.**
- **Modified: 1.3 PLOT NUMBER. Changed *Field width* from 4 to 5 digits.**
- **Clarified: 1.4 PLOT STATUS. Clarified text of code 1 and the descriptive text to accommodate the elimination of old section 8 Nonforest/nonsampled Plots. Added codes 2 and 3 from old section 8 Nonforest/nonsampled Plots.**
- **Clarified: 1.5 PLOT NONSAMPLED REASON. Clarified the codes to include the information from the old section 8 Nonforest/nonsampled Plots.**
- **Added: 1.6 SUBPLOTS EXAMINED. Added this new variable and renumbered all variables after it.**
- **Clarified: Old 1.5, new 1.7 SAMPLE KIND. Clarified code 3 to include the language from the old section 8 Nonforest/nonsampled Plots.**
- **Added: 1.16.5 GPS DATUM. Added this new variable and renumbered all variables after it.**
- **Deleted: Old 1.15.6 LATITUDE. The variable LATITUDE was deleted and this renumbered section (1.16.7) was modified to be a general introduction to**

three new variables that take the place of the old LATITUDE variable: LATITUDE DEGREES, LATITUDE MINUTES, and LATITUDE SECONDS.

- **Added: 1.16.7.1 LATITUDE DEGREES. Added this new variable.**
- **Added: 1.16.7.2 LATITUDE MINUTES. Added this new variable.**
- **Added: 1.16.7.3 LATITUDE SECONDS. Added this new variable.**
- **Deleted: Old 1.15.7 LONGITUDE. The variable LONGITUDE was deleted and this renumbered section (1.16.8) was modified to be a general introduction to three new variables that take the place of the old LONGITUDE variable: LONGITUDE DEGREES, LONGITUDE MINUTES, and LONGITUDE SECONDS.**
- **Added: 1.16.8.1 LONGITUDE DEGREES. Added this new variable.**
- **Added: 1.16.8.2 LONGITUDE MINUTES. Added this new variable.**
- **Added: 1.16.8.3 LONGITUDE SECONDS. Added this new variable.**
- **Deleted: old 1.16 P3 HEXAGON NUMBER. Deleted this variable. The information is available in a cross-walk for office use.**
- **Added: 1.17 MACROPLOT BREAKPOINT DIAMETER (CORE OPTIONAL): Added this new variable and renumbered the section following it.**
- **Deleted: old 1.17 P3 PLOT NUMBER. Deleted this variable. The information is available in a cross-walk for office use.**
- **Modified: 1.8 PREVIOUS PLOT NUMBER. Change *Field width* from 4 to 5 digits.**
- **Added: 2.2 CONDITION CLASS STATUS Definitions. Added a reference to the definition for nonsampled.**
- **Modified: 2.5.1 RESERVED STATUS. Added “CORE” to the current *When collected*. Added “CORE OPTIONAL: Non-forest condition classes (CONDITION CLASS STATUS > 1)” to *When collected*.**
- **Modified: 2.5.2 OWNER GROUP. Added “CORE” to the current *When collected*. Added “CORE OPTIONAL: Non-forest condition classes (CONDITION CLASS STATUS > 1)” to *When collected*.**

- **Modified: 2.5.7 OWNER CLASS.** Added “CORE” to the current *When collected*. Added “CORE OPTIONAL: Non-forest condition classes (CONDITION CLASS STATUS > 1)” to *When collected*.
- **Modified: 2.5.8 PRIVATE OWNER INDUSTRIAL STATUS.** Added “CORE” to the current *When collected*. Added “CORE OPTIONAL: Non-forest condition classes (CONDITION CLASS STATUS > 1) when the owner group is private (OWNER GROUP 40)” to *When collected*.
- **Corrected: 2.5.17 TREATMENT 1.** Corrected the text in code 50 to match the codes actually listed as *Values*. “...(not covered by codes 11-40)...” was changed to “...(not covered by codes 10-40)...”.
- **Modified: 3.2 SUBPLOT/ANNULAR PLOT STATUS.** Modified all references to “annular plot” to “macroplot”.
- **Modified: 3.9 SUBPLOT/ANNULAR PLOT CONDITION LIST (CORE OPTIONAL).** Modified all references to “annular plot” to “macroplot”.
- **Clarified: 5.0 TREE AND SAPLING DATA.** Added and deleted some text to clarify meaning in the introductory paragraphs.
- **Modified: 5.5 HORIZONTAL DISTANCE.** Modified *Tolerance* for woodland species on microplots from “+/- 0.2 ft” to “+/- 0.4 ft”. Modified *Tolerance* for woodland species on subplots from “+/-1.0 ft” to “+/- 2.0 ft”. Modified *Tolerance* for woodland species on macroplots from “+/- 3.0 ft” to “+/- 6.0 ft”.
- **Clarified: 5.6 PREVIOUS TREE STATUS.** Clarified *When collected* by adding “>1.0 in DBH” to the current *When collected* text.
- **Modified: 5.7 PRESENT TREE STATUS.** Modified the last sentence in code 0 from “Requires RECONCILE code = 5-8” to “Requires RECONCILE code = 5-9” to accommodate the new RECONCILE code.
- **Modified: 5.7.1 RECONCILE.** Modified codes 1 and 6, and added a new code 9.
- **Clarified: 5.7.2 STANDING DEAD.** Added some text to the variable description for clarification.
- **Clarified: 5.8 SPECIES.** In the descriptive text, the use for code 0999 was clarified to “... and 0999 for other or unknown live tree.”
- **Modified: 5.9 DIAMETER.** Modified *Tolerance* for woodland species from: “+/- 0.1 in per 20.0 in increment of measured diameter on all live trees and dead trees with DECAY CLASS = 1, 2

**+/- 1.0 in per 20.0 in increment of measured diameter on dead trees with
DECAY CLASS = 3, 4, 5”
to “+/- 0.2 in per stem”.**

- **Modified: 5.9.4 DIAMETER AT ROOT COLLAR (DRC). Modified descriptive text.**
- **Added: 5.9.4.1 DRC STEM DIAMETER. This new variable was added.**
- **Added: 5.9.4.2 DRC STEM STATUS. This new variable was added.**
- **Modified: Figure 35. How to measure DRC in a variety of situations. Modified the figure to match the modified text in section 5.9.4**
- **Added: 5.10 PAST NUMBER OF STEMS. This new variable was added and subsequent sections renumbered appropriately.**
- **Added: 5.11 CURRENT NUMBER OF STEMS. This new variable was added and subsequent sections renumbered appropriately.**
- **Modified: 5.18 UNCOMPACTED LIVE CROWN RATIO. Modified “height” to “length” in the text.**
- **Modified: 5.18 UNCOMPACTED LIVE CROWN RATIO. Modified figures 37 and 38 to accommodate the change to “length” in the text. Figures 39-41 did not need revision as stated in the change proposal according to the author of the change proposal.**
- **Modified: 5.22 (old 5.20) MORTALITY YEAR. Modified this variable from core to “CORE OPTIONAL”.**
- **Modified: 7.1 SITE TREE SELECTION. Modified text explaining when to select a new site tree.**
- **Added: 7.2.2 SPECIES. Added *Values*.**
- **Moved or deleted: Section 8 Nonforest/nonsampled Plots. The information from this section was incorporated into the appropriate sections occurring earlier in the field guide. The following items were deleted in their entirety: 8.3.1 STATE; 8.3.2 COUNTY; 8.3.3 PLOT NUMBER; 8.3.6 SAMPLE KIND; 8.3.7 PREVIOUS PLOT NUMBER; 8.3.8 FIELD GUIDE VERSION; 8.3.9 CURRENT DATE; 8.3.9.1 YEAR; 8.3.9.2 MONTH; 8.3.9.3 DAY; 8.3.10 DECLINATION (CORE OPTIONAL); 8.3.11 QA STATUS (CORE OPTIONAL); 8.3.12 CREW TYPE (CORE OPTIONAL); 8.3.13 GPS COORDINATES; 8.3.13.1 GPS Unit Settings, Datum, and COORDINATE SYSTEM; 8.3.13.2 Collecting Readings; 8.3.13.3 GPS UNIT; 8.3.13.4 GPS SERIAL NUMBER; 8.3.13.5 COORDINATE**

SYSTEM; 8.3.13.6 LATITUDE; 8.3.13.7 LONGITUDE; 8.3.13.8 UTM ZONE; 8.3.13.9 EASTING (X) UTM; 8.3.13.10 NORTHING (Y) UTM; 8.3.13.11 Correction for “Offset” Location; 8.3.13.12 AZIMUTH TO PLOT CENTER; 8.3.13.13 DISTANCE TO PLOT CENTER; 8.3.13.14 GPS ELEVATION; 8.3.13.15 GPS ERROR; 8.3.13.16 NUMBER OF READINGS; 8.3.13.17 GPS FILENAME (CORE OPTIONAL); 8.3.14 CONDITION CLASS STATUS 1; 8.3.15 CONDITION CLASS STATUS 2 (CORE OPTIONAL); 8.3.16 CONDITION CLASS STATUS 3 (CORE OPTIONAL); 8.3.17 CONDITION CLASS STATUS 4 (CORE OPTIONAL). The following items were partially incorporated into existing sections: 8.3.4 PLOT STATUS [codes 2 and 3 were added to item 1.4 PLOT STATUS. The following item was moved with code definitions modified to reflect only plots: 8.3.5 PLOT NONSAMPLED REASON [moved to section 1 with new item number 1.5].

- **Deleted: 8.3.19 P3 HEXAGON NUMBER.** Deleted this variable. The information is available in a cross-walk for office use.
- **Deleted: 8.3.20 P3 PLOT NUMBER.** Deleted this variable. The information is available in a cross-walk for office use.
- **Clarified: Appendix 3. FIA Tree Species Codes.** ‘Dead’ added to code 0299 to read “unknown dead conifer.” ‘Dead’ added to code 0998 to read “unknown dead hardwood.” ‘Live’ added to code 0999 to read “other, or unknown live tree.” Common name of “water locust” changed to “waterlocust”.
- **Modified: Appendix 6. Glossary.** Modified the definition of “annular plot” and added a definition for “macroplot”.
- **Modified: Appendix 7. Tolerance / MQO / Value / Units Table.** Modified the table to include the changes made in the main body text of the field guide.
- **Added: Appendix 8. Tree Coding Guide for RECONCILE.** Added this table as additional information when collecting RECONCILE data.