

forest strips can be combined to meet the minimum width

2.5.2 OWNER GROUP, page 47 – Regionally ownership  
subplot 1's plot center is identified as OWNER GROUP

2.5.7 OWNER CLASS code 41, page 51 – Code 41, co  
institutions.





meet minimum grading specifications. Board-foot rotten cull includes rot/missing wood, cankers, metal and sections less than 8 feet in length that are below a “rot” stopper.

5.12.6N BOLE LENGTH, page 103 – All lengths now terminate at 4-in top DOB for all species regardless of merchantability. If a fork is encountered, follow the fork that may yield the most merchantable volume.

5.25 % ROUGH CUBIC-FOOT CULL and 5.13 % ROTTEN/MISSING CUBIC-FOOT CULL, page 103 and 104 – These are national variables that are required for all live trees. For standing dead trees, the assessment of rough and rotten cull is required when TREE CLASS = 5. Note: The previous regional variable that indicated “soundness” is no longer applicable. Cubic-foot rough cull includes forks, 1/3 or more diameter limbs, excessive sweep or crook, and sections less than 4 feet in length below a “rough” stopper. Cubic-foot rotten cull includes rot/missing wood, cankers, metal and sections less than 4 feet in length that are below a “rot” stopper.

5.20.7N DAMAGE AGENTS STANDARD, page 110 – This is new regional variable to describe damage causal agents. If present, 2 agents can be recorded for a tree.

5.24 LENGTH TO DIAMETER MEASUREMENT POINT, page 112 – This national variable will be applied when the diameter measurement point is not marked and the diameter is not taken at 4.5 feet.

5.27 TREE NOTES, page 113 – The regional PDR program allows up to 80 character note per tree. The former NE 3-digit codes are no longer applicable.

5.31N FOREST TO NONFOREST VARIABLES, page 113 – This regional variable shows a listing of required variables for a tree/sapling previously tallied on accessible forest land and now located in a nonforest condition.

The following former NE regional or national TREE AND SAPLING variables or codes are no longer applicable.

7.2.2 SPECIES, page 118 – A regional species table has been placed in this section as well as the National Appendix 4 showing allowable trees for site index coring.

7.2.7+N SUBPLOT NUMBER, 7.2.8+N AZIMUTH and 7.2.9+N HORIZONTAL DISTANCE, page 119 and 120 – These national variables are now required to reference site index trees.

### **National Appendices**

All national appendices have been modified for the new northern region.

### **Regional Appendices**

Appendix A, Plot Establishment and/or Relocation Procedures – This regional appendix has been revised for the new northern region and much of the documentation are former NC procedures. Some of the former NE practices are no longer warranted. This includes SP witness trees and course to sample location line trees unless warranted. This reduction of procedures is a result of more reliable GPS receivers and plot coordinates. Crews must still provide enough information so a plot can be located without the aid of GPS. This appendix also includes procedures for NONFOREST QA/QC PLOTS, SUBPLOT REFERENCE TREES and GPS STARTING POINT VARIABLES.

Appendix B, Ownership Data Collection Procedures – These procedures will vary depending on the state, however, protocols have been written to obtain permission from private landowners when initial contact (in person or by telephone) is not obtained. These protocols are applied when permission is obtained by letter. All private ownership data (when OWNER GROUP = 40) is entered into the regional PDR program. Required ownership variables are:

- OWNER FIRST NAME
- OWNER LAST NAME
- OWNER STREET
- OWNER CITY
- OWNER STATE
- OWNER ZIP
- PHONE
- OWNER REQUESTS INFORMATION

The entry format for the preceding electronic ownership variables is indicated beginning on page 208.

Appendix C, Additional Northern Data Collection Procedures – This appendix describes other regional procedures not fully described in Sections 0.0 to 7.0.

Appendix D, State/Species Specific Data Collection Variables and Procedures – This is a new regional appendix that shows added variables and procedures for the state of Maine, Minnesota, Ohio and Pennsylvania.

Appendix E, Tables and Charts – New to this appendix are the revised tree grade tables, expanded log surface hardwood tree grading defects, sweep and crook deduction tables,

Appendix F, Tree Class Illustrations – A new appendix illustrating TREE CLASS examples.

Appendix G, GPS User's Guide – Revised for v3.1.

Appendix H, Tally Items Guides, Sheets and Prompts – Tally sheet format will be new for the east. The plot cover page will now have all the plot identification and SP location information for ease of scanning

and faxing. A regional PDR Hot Key listing has been added. A PDR PROMPT INDEX has also been added for quick look-up on the back page of the guide.

### **Regional Supplements**

INVASIVE PLANTS PROTOCOLS data will be collected on a sub-sample of plots during the P3 window. These supplemental instructions will be provided prior to INVASIVE PLANTS PROTOCOL training and data collection.